



This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

### Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

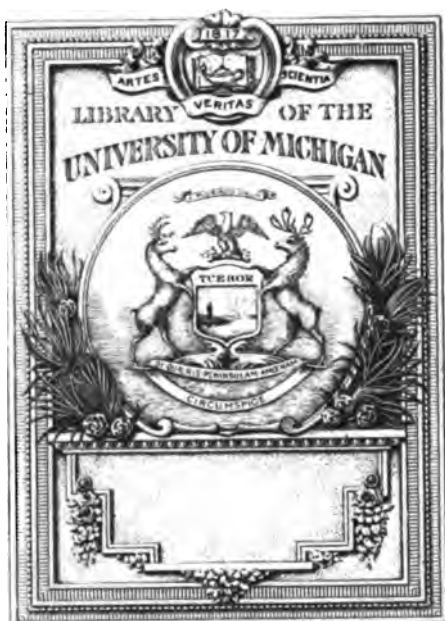
We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

### About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at <http://books.google.com/>

A 583479













# JOINT DOCUMENTS

OF THE

# STATE OF MICHIGAN,

*Legislature*

FOR THE YEAR 1870.

---

**VOL II.**

---



---

BY AUTHORITY.

---

LANSING:

W. S. GEORGE & CO., PRINTERS TO THE STATE.

1870.

54686

# CONTENTS.

---

1. **Annual Report** of the State Treasurer for the year 1870.
2. **Annual Report** of the Commissioner of the State Land Office for the year 1870.
3. **Report of the Swamp Land State Road Commissioner** for the years 1869 and 1870.
4. **Record of Proceedings** of the Board of Control of the State Swamp Land Roads, from January 1st, 1867, to December 1st, 1870.
5. **Third Annual Report** of the Secretary of State relating to the Registry and Return of Births, Marriages, and Deaths, for the year 1869.
6. **First Annual Report** of the Secretary of State relating to Insurance.
7. **Annual Report** of the Board of State Auditors for the year 1870.
8. **Report of the Special Commissioners** to examine the Penal, Reformatory, and Charitable Institutions of the State of Michigan.



---

---

# JOINT DOCUMENTS.

---

---





ANNUAL REPORT  
OF THE  
STATE TREASURER  
OF THE  
STATE OF MICHIGAN,  
FOR THE YEAR 1870.

---



---

BY AUTHORITY.

---

LANSING:  
W. S. GEORGE & CO., PRINTERS TO THE STATE  
1871.



# REPORT.

STATE OF MICHIGAN,  
STATE TREASURER'S OFFICE,  
LANSING, NOV. 30th, 1870.

*To the Legislature of the State of Michigan :*

GENTLEMEN—Agreeably to the requirements of law, I herewith submit the Annual Report of this Department for the fiscal year ending this day.

Balance of cash in the treasury Nov. 30, 1869, was \$834,089 72

The receipts during the fiscal year were ..... 1,718,523 72

\$2,552,613 44

The payments during the fiscal year were ..... 2,094,305 47

Leaving a balance in the treasury of ..... \$458,307 97

The demands upon the treasury maturing on or before January 2d, 1871, are as follows:

Semi-annual interest due Jan. 1, 1871 ..... \$55,950 00

Bonds and coupons past due and not presented .... 45,308 74

Balance of appropriations for 1870 ..... 53,906 25

Current State expenses (estimated) ..... 15,000 00

Apportionment to counties from Canal Fund ..... 10,322 22

Special deposits—due on call ..... 33,766 82

University interest, due Jan. 1, 1871 ..... 8,250 00

University aid, due Jan. 1, 1871 ..... 3,750 00

Quartermaster General, for bounties ..... 5,000 00

\$231,254 03

The amounts applicable by law to the Sinking Fund for the reduction of the State Debt, though not formally credited thereto, are as follows:

Balance of amount set apart July 1, 1870.....	\$59,659 03
(Acts 122, 1861; 134, 1863, and 309, 1865.)	
Trust Funds received since July 1, 1870.....	51,582 36
Canal Fund.....	27,158 38
	<hr/>
	\$138,399 77

There now stands to the credit of the Primary School Interest Fund the sum of \$91,278 47, which amount, together with the receipts previous to May 1st, 1871, will at that time be due and apportioned and paid to the counties.

There has been received during the year from the United States, as five per cent of the proceeds of the sales of the public lands lying within this State, the sum of \$14,650 78, which amount, in compliance with the provisions of Joint Resolution No. 12, Laws of 1869, has been paid to Francis B. Gilbert, agent and trustee of William Beard and others.

There has also been received from the United States the sum of \$19,035 55 on account of War expenses incurred by this State.

In order to meet the demands of the department of the Quartermaster General, for the payment of bounties due to soldiers, under the provisions of Act No. 85, Laws of 1865, \$44,000 of War Bounty Loan Bonds have been issued, of which amount \$29,000 were purchased and retired for the Sinking Fund, and \$15,000 purchased as an investment for the State Agricultural College, in accordance with the terms of the grant made by the United States, the amount invested having been realized from sales of Agricultural College Lands.

In accordance with the provisions of Sec. 4, Act 77, laws of 1869, requiring Life Insurance Companies to deposit securities with the State Treasurer for any liability to policy-holders, the Michigan Mutual Life Insurance Company of Detroit has

deposited in this department securities to the amount of one hundred thousand dollars, of which fifty-two thousand dollars are in bonds of the United States and of this State, and forty-eight thousand dollars in first mortgages on real estate worth double that amount.

Every effort has been made during the year to purchase the interest-bearing bonds of the State; and all bonds that could be obtained at par have been and purchased canceled. Only \$80,000 have been procured, leaving a balance of \$87,000 devoted to that purpose still unexpended.

## SINKING FUND.

The following table shows the condition of the Sinking Fund, the sums set apart during the fiscal year as applicable thereto, and the amounts charged to the fund:

Balance Nov. 30, 1869.....	\$394,803 58
One-eighth mill tax.....	38,495 73
War expenses refunded by United States.....	19,035 55
Trust Funds for year ending July 1, 1870.....	109,564 57
Surplus of Taxes levied for interest.....	156,353 59
Discount on Bonds purchased.....	906 01
	<hr/>
	\$719,159 03

## DEBITS.

War Loan Bonds drawn for payment, Jan. 1, 1870.....	\$551,500 00
Renewal Loan Bonds purchased.....	32,000 00
Two Million Loan Bonds purchased.....	47,000 00
War Bounty Loan Bonds purchased.....	44,000 00
Balance.....	59,659 03
	<hr/>
	\$719,159 03

Four hundred and fifty-nine thousand dollars of the Two Million Loan Bonds, 6's, mature Jan. 1, 1873. From the estimate given below (which is made upon the basis of receipts

for the last seven years), it will be seen that ample provision is made for the payment of these bonds before their maturity, without recourse to further taxation for that purpose.

Balance in Sinking Fund, Nov. 30, 1870.....	\$59,659 03
Receipts from Trust Funds from July 1, 1870, to Dec. 31, 1872.....	384,064
One-eighth mill tax, 1871.....	38,495 73
One-eighth mill tax, 1872, under new equaliza- tion—estimated.....	45,000
	<hr/>
	\$527,218 76

#### STATE DEBT.

The funded and fundable debt of the State on Nov. 30, 1866, was as follows:

##### *Interest-Bearing Bonds.*

Sault Canal Bonds, 6's, due July 1, 1879.....	\$100,000 00
Renewal Loan Bonds, 6's, due July 1, 1878....	216,000 00
Two Million Loan Bonds, 7's, due Jan. 1, 1868..	250,000 00
“ “ “ 6's, “ 1, 1873..	500,000 00
“ “ “ 6's, “ 1, 1878..	500,000 00
“ “ “ 6's, “ 1, 1883..	750,000 00
War Bounty Loan Bonds, 7's, due May 1, 1890..	463,000 00
War Loan Bonds, 7's, due Jan. 1, 1886.....	1,111,500 00
	<hr/>
Total interest-bearing debt.....	\$3,890,500 00

##### *Non-Interest-Bearing Bonds.*

Adjusted Bonds past due, not pre- sented for payment.....	\$4,000 00
Full-paid Five Million Loan Bonds, not presented for payment.....	12,000 00
War Loan Bonds drawn, not presented for payment.....	1,100 00
\$125,000 unrecognized Five Million Loan Bonds, adjustable at.....	72,321 25
	<hr/>
	\$89,421 25
Total bonded debt, Nov. 30, 1866.....	\$3,979,921 25

The bonds issued since Nov. 30th, 1866, are as follows:

War Bounty Loan Bonds, 7's, due May 1, 1890, for Quartermaster General's Department .....	\$84,000 00
	<hr/>
	\$4,063,921 25

During the same period the following bonds have been paid and canceled:

*Interest-Bearing Bonds.*

Sault Canal Bonds, 6's, due July 1, 1879.....	\$ 17,000 00
Renewal Loan Bonds, 6's, due July 1, 1878.....	56,000 00
Two Million Loan Bonds, 7's, due Jan. 1, 1868..	250,000 00
"        "        "        6's,        "        1, 1873..	41,000 00
"        "        "        6's,        "        1, 1878..	63,000 00
"        "        "        6's,        "        1, 1883..	24,000 00
War Loan Bonds, 7's, due Jan. 1, 1886.....	1,109,500 00
War Bounty Loan Bonds, 7's, due May 1, 1890..	69,000 00
	<hr/>
	\$1,629,500 00

*Non-Interest-Bearing Bonds.*

Adjusted Bond, past due.....	\$1,000 00
Full-paid Five Million Loan Bonds past due.....	9,000 00
War Loan Bond, drawn for payment, 1864.....	50 00
\$68,000 unrecognized Five Million Loan Bonds, adjusted at.....	39,342 76
	<hr/>
	\$49,392 76
	<hr/>
Total bonded debt paid in four years.....	\$1,678,892 76

PRESENT BONDED DEBT OF THE STATE.

*Interest-Bearing Bonds.*

Sault Canal Bonds, 6's, due July 1, 1879.....	\$ 83,000 00
Renewal Loan Bonds, 6's, due July 1, 1878.....	160,000 00



Two Million Loan Bonds, 6's, due Jan. 1, 1873..	\$459,000 00
“ “ “ 6's, “ 1, 1878..	437,000 00
“ “ “ 6's, “ 1, 1883..	726,000 00
War Bounty Loan Bonds, 7's, due May 1, 1890....	478,000 00
Total interest-bearing bonds.....	\$2,343,000 00

*Non-Interest-Bearing Bonds.*

Adjusted Bonds, past due.....	\$3,000 00
Full paid Five Million Loan Bonds, past due.....	3,000 00
War Loan Bonds drawn, not pre- sented.....	3,050 00
\$57,000 unrecognized Five Million Loan Bond, adjustable at.....	32,978 49
	<u>\$42,028 49</u>
Total Bonded Debt, Nov. 30, 1870.....	\$2,385,028 49
Total Bonded Debt, Nov. 30, 1866.....	\$3,979,921 25
“ “ “ Nov. 30, 1870.....	2,385,028 49
	<u>Decrease in four years.....</u>
	\$1,594,892 76

*Trust Fund Debt.*

The Trust Fund Debt of the State is composed of the following funds and amounts:

Primary School Fund.....	\$1,714,071 12
Five per cent Primary School Fund.....	214,550 53
University Fund.....	316,937 33
Normal School Fund.....	46,797 18
Railroad and Light-house Deposits.....	1,623 32
Total.....	<u>\$2,293,979 48</u>

The following table shows the entire amount of Municipal Bonds deposited and registered in this office, as provided by Act 45, 1869 (the General Railroad Aid Law); also, the amount

of bonds delivered to railroad companies as required by said law:

NAME OF COMPANY.	AMOUNT.
Michigan Air Line Railroad Co.....	\$564,000 00
Howell and Lansing Railroad Co.....	57,200 00
Detroit, Hillsdale and Indiana Railroad Co.....	266,000 00
Allegan and Holland Railroad Co.....	31,000 00
Port Huron and Lake Michigan Railroad Co....	55,000 00
Kalamazoo and South Haven Railroad Co. ....	224,300 00
Fort Wayne, Jackson and Saginaw Railroad Co..	48,500 00
Ionia and Lansing Railroad Co.....	25,000 00
Chicago and Michigan Lake Shore Railroad Co..	332,100 00
Elkhart and Lake Michigan Railroad Co.....	126,000 00
Port Huron and Owosso Railroad Co.....	28,000 00
Lansing, St. Johns and Mackinac Railroad Co...	214,302 30
Paw Paw Valley Railroad Co.....	155,000 00
Jonesville, Marshall and Grand River Railroad Co..	281,603 50
Michigan Lake Shore Railroad Co.....	92,000 00
Owosso and Big Rapids Railroad Co.....	123,875 00
Toledo, Ann Arbor and Northern Railroad Co...	273,200 00
East Saginaw and Ann Arbor Railroad Co.....	62,500 00
Westphalia, Hubbardston and Northern Rail- road Co.....	72,500 00
Grand Rapids and Lake Shore Railroad Co.....	49,695 00
Jackson, Lansing and Saginaw Railroad Co.....	172,400 00
Toledo, Ypsilanti and Saginaw Air Line Rail- road Co.....	203,000 00
Ionia and Stanton Railroad Co.....	40,000 00
Detroit and Howell Railroad Co.....	300,000 00
Michigan Air Line Extension Railroad Co.....	28,800 00
Fruitport and Lake Shore Railroad Co.....	13,300 00
Romeo and Almont Railroad Co.....	45,000 00
Saginaw and St. Clair River Railroad Co.....	150,000 00
Peninsular Railway Co.....	50,000 00
	<hr/>
	<u>\$4,084,275 80</u>

The bonds comprised in the following list have been delivered to the State Treasurer, but not recorded, and no receipt has been given therefor, for the reason that no time is specified therein when they shall become due,—their maturity depending upon the time of their delivery by the State Treasurer to the railroad company.

## PENINSULAR RAILWAY CO.

DATE.	TOWNSHIP.	COUNTY.	AMOUNT.
1869.			
Sept. 1....	Penn.....	Cass.....	\$15,000 00
Oct. 13....	Marcellus.....	".....	15,000 00
" 13....	Climax.....	Kalamazoo...	15,000 00
Dec. 18...	Schoolcraft.....	".....	20,000 00
1870.			
Jan. 25....	Lagrange.....	Cass.....	15,000 00
			<hr/> \$80,000 00

## MICHIGAN AIR LINE RAILROAD CO.

1870.			
March 1....	Lagrange.....	Cass.....	\$15,000 00

## BONDS DELIVERED.

Michigan Air Line Railroad Co.....	\$25,000 00
Detroit, Hillsdale and Indiana Railroad Co.....	50,000 00
Kalamazoo and South Haven Railroad Co.....	48,400 00
Chicago and Michigan Lake Shore Railroad Co...	97,500 00
Fort Wayne, Jackson and Saginaw Railroad Co...	48,500 00
Port Huron and Lake Michigan Railroad Co.....	42,000 00
Peninsular Railway Co.....	50,000 00
	<hr/>
	\$361,400 00

The following tables will show the details of revenue and expenditures for the fiscal year:

## RECEIPTS.

Tax Histories.....	\$ 1,413 59	
State Tax Deeds.....	643 30	
State Tax Lands sold.....	42,498 82	
Redemptions.....	46,333 58	
Delinquent Taxes.....	180,363 87	
	<hr/>	\$271,253 16
Primary School, Principal.....	\$105,900 86	
"    "    Interest.....	53,676 80	
Swamp Land, Principal.....	323,873 35	
"    "    Interest.....	4,265 37	
University, Principal.....	3,412 20	
"    Interest.....	9,579 88	
Agricultural College Principal.....	5,895 00	
"    "    Interest.....	1,857 26	
Normal School, Principal.....	760 00	
"    "    Interest.....	1,717 35	
Asylum, Principal.....	1,181 48	
"    Interest.....	1,554 47	
State Building, Principal.....	568 50	
"    "    Interest.....	418 03	
Salt Spring, Principal.....	927 95	
"    "    Interest.....	1,182 97	
Internal Improvement.....	116 84	
	<hr/>	516,888 31
Primary School Bids.....	\$1,240 21	
"    "    Interest.....	119 81	
Swamp Land Bids.....	186 33	
"    "    Interest.....	4 72	
University Bids.....	375 00	
"    Interest.....	7 83	
State Building Interest Bids.....	3 93	
Salt Spring Bids.....	80 00	
	<hr/>	2,017 83
Taxes on part paid lands.....		5,843 38
Fees, Plats &c., from Land Office.....		2,776 00

Counties—State Tax 1869.....	\$233,361	35	
Tax Sales.....	137,625	90	
General Account.....	81,404	11	
Taxes and Redemptions.....	32,024	46	
			<u>\$484,415</u> 82
Specific Taxes—Railroad Companies	\$212,308	05	
Insurance Companies.....	81,046	54	
Mining “.....	8,514	22	
Telegraph “.....	1,311	20	
Express “.....	1,505	00	
			<u>304,685</u> 01
War Bounty Loan Bonds sold.....			64,000 00
Tolls on Sault Ste Marie Canal.....			25,304 47
Interest from Depositories on surplus funds....			17,153 41
Interest on past due Specific Taxes.....			4,656 87
From U.S.—War Expenses refunded.	\$19,035	55	
5 per cent on sales of Public Lands	14,650	78	
			<u>33,686</u> 33
Trespass on Primary School Lands.....			1,337 40
Discount on Two Million Loan Bonds purchased			906 01
Sales of Michigan Reports.....			988 23
Agricultural College—Interest on Investment...			874 95
Peddlers’ Licenses.....			334 48
Fees from Office of Secretary of State.....			292 01
Interest on Mortgage—Reeder Farm.....			210 00
Escheated Estates.....			180 00
Fees for registering R. R. Aid Bonds.....			194 90
Rents—State property in Lansing.....			170 00
Erroneous award of Auditors refunded.....			173 80
Discounted from War Bonds for Coupons missing.			52 50
Sales of Compiled Laws.....			50 75
Old papers sold.....			32 10
Grass on Public Squares.....			41 50
Old Books sold by State Librarian.....			2 50
Michigan Southern Railroad Deposit.....			1 00
Overpaid Redemption refunded.....			1 00
			<u>\$1,718,523</u> 72

## EXPENDITURES.

*Bonds.*

Canal Loan .....	\$1,000 00	
Renewal Loan .....	32,000 00	
Two Million Loan, due 1873 .....	10,000 00	
“ “ “ 1878 .....	13,000 00	
“ “ “ 1883 .....	24,000 00	
War Loan .....	593,550 00	
		\$673,550 00

## ERRATUM.

Page 12, line 10,—“ War Bounty Loan Bonds sold ” should read \$44,000 00 instead of “ \$64,000 00.”

*Counties.*

Primary School apportionment .....	\$179,483 16	
Taxes collected .....	124,031 12	
Canal apportionment .....	3,695 82	
D. D. and B. Asylum .....	793 90	
		308,004 00

*Appropriations.*

University—		
Interest .....	\$38,157 95	
Aid .....	18,849 58	
		\$57,007 53
Reform School .....	36,626 95	
Asylum for Insane .....	19,600 00	
Institution for D., D. and B. ....	68,500 00	
Agricultural College—		
Interest .....	\$2,779 89	
Appropriation .....	25,000 00	
		27,779 89

## Normal School—

Interest.....	\$14,500 00	
Appropriation.....	5,000 00	
	<hr/>	\$19,500 00
Geological Survey.....	8,000 00	
Immigration Commission.....	2,500 00	
State Prison.....	700 00	
State Library.....	150 00	
Social Statistics.....	534 58	
	<hr/>	\$240,898 95
Salaries.....		105,965 88
Awards of Board of Auditors—		
Printing and Binding.....	\$39,033 66	
Paper and Stationery.....	11,054 80	
General awards.....	10,366 67	
Sault Ste. Marie Canal.....	3,181 94	
Swamp Land Road Commission- er's office.....	1,585 62	
Insurance on State Library.....	500 00	
Advertising sale—		
Forfeited Lands.....	487 70	
Swamp Lands.....	299 60	
	<hr/>	66,509 99
Redemptions.....		58,150 50
Quartermaster General—		
Bounties.....	\$38,850 00	
Military.....	5,000 00	
	<hr/>	43,850 00
Expenses of Extra Session.....	11,269 80	
Agricultural College—funds invested.....	15,000 00	
Beard Claim.....	14,650 78	
Advertising Tax Sales.....	14,784 40	
War Bounty Bonds for Sinking Fund.....	29,000 00	
Expenses of Supreme and Circuit Courts.....	1,820 37	
Teachers' Institutes.....	1,800 00	
Soldiers' Aid Fund.....	1,500 00	

County Treasurers for conducting Tax Sales.....	\$5,114 39
Expenses of Sales.....	2,108 71
Land Office—bids and interest refunded.....	1,815 69
“ “ principal and interest refunded....	499 71
Michigan Reports.....	1,008 90
Coroners' fees.....	1,155 28
Wolf Bounties.....	232 00
Supervisors, assessing improvements on forfeited lands.....	706 25
Commissioners of Penal Institutions.....	618 50
Inspectors of State Prison.....	954 60
Trustees of Asylums.....	385 00
Michigan Central Railroad deposits.....	462 50
Insurance Co. tax overpaid—refunded.....	74 29
Tax Sales “ “.....	6 81
Tax Histories “.....	6 28
Old Geological Survey.....	80 91
Indexing Laws and Journals, session of 1870....	200 00
Swamp Land Warrants.....	314,423 53
Total.....	<u>\$2,094,305 47</u>

Very respectfully,

E. O. GROSVENOR,

*State Treasurer.*



*Treasurer of the State of Michigan in Account with the State  
of Michigan.*

1870.

DEBIT.

Nov. 30. To balance Nov. 30th, 1869..... \$834,089 72

Receipts on account of:

General Fund.....	790,279 33
Primary School Fund.....	106,080 86
Primary School Interest Fund....	55,435 70
Swamp Land Fund.....	323,873 35
Swamp Land Interest Fund.....	4,265 37
University Fund.....	3,412 20
University Interest Fund.....	9,579 88
Normal School Fund.....	760 00
Normal School Interest Fund....	1,717 35
Asylum Fund.....	2,735 95
State Building Fund.....	986 53
Agricultural College Fund.....	5,895 00
Agricultural College Interest Fund	2,732 21
Internal Improvement Fund.....	14,767 62
War Fund.....	44,052 50
Two Million Loan Sinking Fund..	19,941 56
Sault Ste. Marie Canal Fund.....	25,304 47
Michigan Southern R. R. Deposits	1 00
Specific Taxes.....	304,685 01
Primary School Deposits.....	1,240 21
Primary School Interest Deposits..	119 81
Swamp Land Deposits.....	186 33
Swamp Land Interest Deposits...	4 72
University Deposits.....	375 00
University Interest Deposits.....	7 83
State Building Interest Deposits..	3 93
Salt Spring Deposits.....	80 00

---

\$2,552,613 44

*Treasurer of the State of Michigan in Account with the State  
of Michigan.*

1870.

CREDIT.

Nov. 30. By warrants paid on account of:

General Fund.....	\$577,865 99
Primary School Fund.....	200 00
Primary School Interest Fund.....	180,357 59
Swamp Land Fund.....	319,933 69
Swamp Land Interest Fund.....	201 25
University Interest Fund.....	38,213 10
Normal School Interest Fund.....	14,524 75
Asylum Fund.....	88,155 80
State Building Fund.....	4 90
Agricultural College Fund.....	15,000 00
Agricultural College Interest Fund	2,791 17
Internal Improvement Fund.....	14,650 78
War Fund.....	100,887 45
War Loan Sinking Fund.....	593,550 00
Two Million Loan Sinking Fund..	108,000 00
Sault Ste Marie Canal Fund.....	10,671 94
Military Fund.....	6,595 00
Michigan Central Railroad Deposits	462 50
Specific Taxes.....	74 29
University Aid Fund.....	18,849 58
Soldiers' Aid Fund.....	1,500 00
Primary School Deposits.....	1,577 75
Primary School Interest Deposits..	120 19
Swamp Land Deposits.....	60 00
Swamp Land Interest Deposits....	3 82
State Building Deposits.....	50 00
State Building Interest Deposits...	3 93
Balance.....	458,307 97

---

\$2,552,613 44

---

*Ledger Balances.*

## DEBIT.

1870.		
Nov. 30.	Cash.....	\$458,307 97
	Internal Improvement Fund.....	2,430,597 07
	War Loan Sinking Fund.....	973,337 17
	Two Million Loan Sinking Fund.....	49,530 85
	Suspense Account.....	33,001 31

---

**\$3,944,774 37**


---

*Ledger Balances.*

## CREDIT.

1870.

Nov. 30. General Fund.....	\$1,104,140	20
Primary School Fund.....	1,714,071	12
Primary School Interest Fund.....	91,278	47
Primary School Five per cent Fund...	214,550	53
Swamp Land Fund.....	139,042	18
Swamp Land Interest Fund.....	114,122	74
University Fund.....	316,937	33
University Interest Fund.....	1,120	23
Normal School Fund.....	46,797	18
Normal School Interest Fund.....	13,007	40
Asylum Fund.....	73,920	07
State Building Fund.....	28,642	36
Agricultural College Fund.....	5,060	00
War Fund.....	8,927	14
Sault Ste. Marie Canal Fund.....	39,970	60
Military Fund.....	25,708	40
Treasury Notes.....	730	00
Michigan Central Railroad Deposits...	1,397	02
Michigan Southern Railroad Deposits..	147	72
St. Joseph Valley Railroad Deposits....	55	00
Oakland and Ottawa Railroad Deposits..	8	58
Light House Deposit.....	15	00
Primary School Deposits.....	723	71
Primary School Interest Deposits.....	1	33
Swamp Land Deposits.....	186	33
Swamp Land Interest Deposits.....		90
University Deposits.....	375	00
University Interest Deposits.....	7	83
Salt Spring Deposits.....	80	00
	<hr/>	
	\$3,944,774	37

*General Fund.*

## DEBIT.

1870.

Nov. 30.	To warrants paid during fiscal year.....	\$577,865 99
	“ am't trans. to University Aid Fund	15,000 00
	“ “ “ Military “	33,803 40
	“ “ “ Two Mil. L'n Sk. “	194,849 32
	“ “ “ Nor'l Sch'l In't “	10,000 00
	“ “ “ Asylum “	49,500 00
	“ balance.....	1,104,140 20
		<hr/>
		<u>\$1,985,158 91</u>

*Primary School Fund.*

## DEBIT.

1870.

Nov. 30.	To warrants paid during fiscal year.....	\$200 00
	“ balance.....	1,714,071 12
		<hr/>
		<u>\$1,714,271 12</u>

*Primary School Interest Fund.*

## DEBIT.

1870.

Nov. 30.	To warrants paid during fiscal year.....	\$180,357 59
	“ balance.....	91,278 47
		<hr/>
		<u>\$271,636 06</u>

*General Fund.*

## CREDIT.

1870.

Nov. 30.	By balance Nov. 30th, 1869.....	\$1,097,236 98
	“ cash received during fiscal year....	790,279 33
	“ am't transferred from Canal Fund..	4,067 72
	“ “ “ “ Specific Taxes	93,574 88

---



---

 \$1,985,158 91
*Primary School Fund.*

## CREDIT.

1870.

Nov. 30.	By balance Nov. 30th, 1869.....	\$1,608,190 26
	“ cash received during fiscal year....	106,080 86

---



---

 \$1,714,271 12
*Primary School Interest Fund.*

## CREDIT.

1870.

Nov. 30.	By balance Nov. 30th, 1869.....	\$90,187 02
	“ cash received during fiscal year.....	55,435 70
	“ am't transferred from Specific Taxes	126,013 34

---



---

 \$271,636 06

*Five Per Cent Primary School Fund.*

## DEBIT.

1870.

Nov. 30. To Balance..... \$214,550 53

---



---

 \$214,550 53
*Swamp Land Fund.*

## DEBIT.

1870.

Nov. 30. To land warrants paid during fiscal year... \$314,423 53

" cash " " " " "

refunding and expenses..... 384 90

 To cash warrants paid during fiscal year,  
 salaries and expenses of Swamp Land

State Road Office..... 5,125 26

To am't trans. to 5 % Prim. Sch'l Fd.. 4,539 46

" balance..... 139,042 18

---



---

 \$463,515 33
*Swamp Land Interest Fund.*

## DEBIT.

1870.

Nov. 30. To warrants paid during fiscal year.... \$201 25

" balance..... 114,122 74

---



---

 \$114,323 99

*Five Per Cent Primary School Fund.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869.....	\$210,011 07
" am't trans. from Swamp Land Fund..	4,539 46
	<hr/>
	\$214,550 53
	<hr/> <hr/>

*Swamp Land Fund.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869.....	\$139,641 98
" land warrants received during fiscal	
year in payment for land.....	314,423 53
By cash received during fiscal year.....	9,449 82

---

\$463,515 33

---

*Swamp Land Interest Fund.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869.....	\$110,058 62
" cash received during fiscal year ....	4,265 37
	<hr/>
	\$114,323 99
	<hr/> <hr/>



*University Fund.*

## DEBIT.

1870.

Nov. 30. To balance..... \$316,937 33

---

\$316,937 33


---

*University Interest Fund.*

## DEBIT.

1870.

Nov. 30. To warrants paid during fiscal year... \$38,213 10

" balance..... 1,120 23

---

\$39,333 33


---

*Normal School Fund.*

## DEBIT.

1870.

Nov. 30. To balance..... \$46,797 18

---

\$46,797 18


---

*Normal School Interest Fund.*

## DEBIT.

1870.

Nov. 30. To warrants paid during fiscal year.... \$14,524 75

" balance ..... 13,007 40

---

\$27,532 15


---

*University Fund.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869.....	\$313,525	13
“ cash received during fiscal year....	3,412	20
	<u>\$316,937</u>	<u>33</u>

*University Interest Fund.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869.....	\$742	26
“ cash received during fiscal year....	9,579	88
“ am't transferred from Specific Taxes	29,011	19
	<u>\$39,333</u>	<u>33</u>

*Normal School Fund.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869.....	\$46,037	18
“ cash received during fiscal year....	760	00
	<u>\$46,797</u>	<u>18</u>

*Normal School Interest Fund.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869.....	\$13,041	37
“ cash received during fiscal year....	1,717	35
“ am't transferred from General Fund	10,000	00
“ “ “ “ Specific Taxes	2,773	43
	<u>\$27,532</u>	<u>15</u>

*Asylum Fund.*

## DEBIT.

1870.		
Nov. 30.	To warrants paid during fiscal year.....	\$88,155 80
	“ balance.....	73,920 07
		<hr/>
		\$162,075 87
		<hr/>

*State Building Fund.*

## DEBIT.

1870.		
Nov. 30.	To warrants paid during fiscal year.....	\$4 90
	“ balance.....	28,642 36
		<hr/>
		\$28,647 26
		<hr/>

*Agricultural College Fund.*

## DEBIT.

1870.		
Nov. 30.	To warrant paid during fiscal year.....	\$15,000 00
	“ balance.....	5,060 00
		<hr/>
		\$20,060 00
		<hr/>

*Agricultural College Interest Fund.*

## DEBIT.

1870.		
Nov. 30.	To warrants paid during fiscal year.....	\$2,791 17
		<hr/>
		\$2,791 17
		<hr/>

*Asylum Fund.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869.....	\$109,839 92
“ cash received during fiscal year.....	2,735 95
“ am't trans. from General Fund.....	49,500 00
	<hr/>
	\$162,075 87
	<hr/>

*State Building Fund.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869.....	\$27,660 73
“ cash received during fiscal year.....	986 53
	<hr/>
	\$28,647 26
	<hr/>

*Agricultural College Fund.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869.....	\$14,165 00
“ cash received during fiscal year.....	5,895 00
	<hr/>
	\$20,060 00
	<hr/>

*Agricultural College Interest Fund.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869.....	\$58 96
“ cash received during fiscal year.....	2,732 21
	<hr/>
	\$2,791 17
	<hr/>

*War Fund.*

## DEBIT.

1870.

Nov. 30.	To warrants paid during fiscal year.....	\$100,887 45
	“ balance.....	8,927 14
		<hr/>
		\$109,814 59
		<hr/>

*Internal Improvement Fund.*

## DEBIT.

1870.

Nov. 30.	To balance Nov. 30, 1869.....	\$2,430,713 91
	“ warrants paid during fiscal year....	14,650 78
		<hr/>
		\$2,445,364 69
		<hr/>

*War Loan Sinking Fund.*

## DEBIT.

1870.

Nov. 30.	To balance Nov. 30, 1869.....	\$379,787 17
	“ warrants paid during fiscal year....	593,550 00
		<hr/>
		\$973,337 17
		<hr/>

*Two Million Loan Sinking Fund.*

## DEBIT.

1870.

Nov. 30.	To balance Nov. 30, 1869.....	\$156,321 73
	“ warrants paid during fiscal year....	108,000 00
		<hr/>
		\$264,321 73
		<hr/>

*War Fund.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869.....	\$12,524 21
“ cash received during fiscal year....	44,052 50
“ amount trans. from Specific Taxes..	53,237 88
	<hr/>
	\$109,814 59

*Internal Improvement Fund.*

## CREDIT.

1870.

Nov. 30. By cash received during fiscal year....	\$14,767 62
“ balance.....	2,430,597 07
	<hr/>
	\$2,445,364 69

*War Loan Sinking Fund.*

## CREDIT.

1870.

Nov. 30. By balance.....	\$973,337 17
	<hr/>
	\$973,337 17

*Two Million Loan Sinking Fund.*

## CREDIT.

1870.

Nov. 30. By cash received during fiscal year....	\$19,941 56
“ amount trans. from General Fund..	194,849 32
“ balance.....	49,530 85
	<hr/>
	\$264,321 73

*Ste. Marie Ship Canal Fund.*

## DEBIT.

1870.		
Nov. 30.	To warrants paid during fiscal year.....	\$10,671 94
	“ am’t transferred to General Fund.....	4,067 72
	“ balance.....	39,970 60
		<u>\$54,710 26</u>

*Military Fund.*

## DEBIT.

1870.		
Nov. 30.	To warrants paid during fiscal year.....	\$6,595 00
	“ am’t transferred to Soldiers’ Aid Fund	1,500 00
	“ balance.....	25,708 40
		<u>\$33,803 40</u>

*Suspense Account.*

## DEBIT.

1870.		
Nov. 30.	To balance Nov. 30, 1869.....	\$33,001 31
		<u>\$33,001 31</u>

*Treasury Notes.*

## DEBIT.

1870.		
Nov. 30.	To balance.....	\$730 00
		<u>\$730,00</u>

*Ste. Marie Ship Canal Fund.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869..... \$29,405 79  
 “ cash received during fiscal year..... 25,304 47

---



---

\$54,710 26

*Military Fund.*

## CREDIT.

1870.

Nov. 30. By am't transferred from General Fund.. \$33,803 40

---



---

\$33,803 40

*Suspense Account.*

## CREDIT.

1870.

Nov. 30. By balance..... \$33,001 31

---



---

\$33,001 31

*Treasury Notes.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869..... \$730 00

---



---

\$730 00



*Michigan Central Railroad Deposits.*

## DEBIT.

1870.

Nov. 30. To warrants paid during fiscal year.....	\$462 50
“ balance.....	1,397 02
	<hr/>
	\$1,859 52
	<hr/>

*Michigan Southern Railroad Deposits.*

## DEBIT.

1870.

Nov. 30. To balance.....	\$147 72
	<hr/>
	\$147 72
	<hr/>

*St. Joseph Valley Railroad Deposits.*

## DEBIT.

1870.

Nov. 30. To balance.....	\$55 00
	<hr/>
	\$55 00
	<hr/>

*Oakland and Ottawa Railroad Deposits.*

## DEBIT.

1870.

Nov. 30. To balance.....	\$8 58
	<hr/>
	\$8 58
	<hr/>

*Michigan Central Railroad Deposits.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869..... \$1,859 52

---

\$1,859 52


---

*Michigan Southern Railroad Deposits.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869..... \$146 72

" cash received during fiscal year..... 1 00

---

\$147 72


---

*St. Joseph Valley Railroad Deposits.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869..... \$55 00

---

\$55 00


---

*Oakland and Ottawa Railroad Deposits.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869..... \$8 58

---

\$8 58


---

*Lighthouse Deposit.*

## DEBIT.

1870.		
Nov. 30.	To balance.....	\$15 00
		<hr/>
		\$15 00
		<hr/>

*Specific Taxes.*

## DEBIT.

1870.					
Nov. 30.	To warrant paid during fiscal year.....				\$74 29
	"	am't trans. to University Int. Fund			29,011 19
	"	"	Primary Sch.	"	126,013 34
	"	"	Normal	" "	2,773 43
	"	"	War	"	53,237 88
	"	"	General	"	93,574 88
					<hr/>
					\$304,685 01
					<hr/>

*University Aid Fund.*

## DEBIT.

1870.		
Nov. 30.	To warrants paid during fiscal year.....	\$18,849 58
	" balance.....	3,750 00
		<hr/>
		\$22,599 58
		<hr/>

*Lighthouse Deposit.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869 .....	\$15 00
	<hr/>
	\$15 00
	<hr/> <hr/>

*Specific Taxes.*

## CREDIT.

1870.

Nov. 30. By cash received during fiscal year. ....	\$304,685 01
--	--------------

---

\$304,685 01

---

*University Aid Fund.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869 .....	\$7,599 58
“ am't transferred from General Fund..	15,000 00
	<hr/>
	\$22,599 58
	<hr/> <hr/>

*Soldiers' Aid Fund.*

## DEBIT.

1870.

Nov. 30. To warrant paid during fiscal year.....	\$1,500 00
	<hr/>
	\$1,500 00
	<hr/>

*Primary School Deposits.*

## DEBIT.

1870.

Nov. 30. To warrants paid during fiscal year.....	\$1,577 75
" balance.....	723 71
	<hr/>
	\$2,301 46
	<hr/>

*Primary School Interest Deposits.*

## DEBIT.

1870.

Nov. 30. To warrants paid during fiscal year.....	\$120 19
" balance.....	1 33
	<hr/>
	\$121 52
	<hr/>

*Swamp Land Deposits.*

## DEBIT.

1870.

Nov. 30. To warrants paid during fiscal year.....	\$60 00
" balance.....	186 33
	<hr/>
	\$246 33
	<hr/>

*Soldiers' Aid Fund.*

## CREDIT.

1870.

Nov. 30. By amount trans. from Military Fund.....	\$1,500 00
	<hr/>
	\$1,500 00
	<hr/>

*Primary School Deposits.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869.....	\$1,061 25
" cash received during fiscal year.....	1,240 21
	<hr/>
	\$2,301 46
	<hr/>

*Primary School Interest Deposits.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869.....	\$1 71
" cash received during fiscal year.....	119 81
	<hr/>
	\$121 52
	<hr/>

*Swamp Land Deposits.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869.....	\$60 00
" cash received during fiscal year.....	186 33
	<hr/>
	\$246 33
	<hr/>

*Swamp Land Interest Deposits.*

## DEBIT.

1870.

Nov. 30. To warrants paid during fiscal year .....	\$3 82
" balance .....	90
	<hr/>
	\$4 72
	<hr/>

*State Building Deposits.*

## DEBIT.

1870.

Nov. 30. To warrants paid during fiscal year .....	\$50 00
	<hr/>
	\$50 00
	<hr/>

*State Building Interest Deposits.*

## DEBIT.

1870.

Nov. 30. To warrants paid during fiscal year .....	\$3 93
	<hr/>
	\$3 93
	<hr/>

*University Deposits.*

## DEBIT.

1870.

Nov. 30. To balance .....	\$375 00
	<hr/>
	\$375 00
	<hr/>

*Swamp Land Interest Deposits.*

## CREDIT.

1870.

Nov. 30. By cash received during fiscal year..... \$4 72

---

 \$4 72
 

---

*State Building Deposits.*

## CREDIT.

1870.

Nov. 30. By balance Nov. 30, 1869..... \$50 00

---

 \$50 00
 

---

*State Building Interest Deposits.*

## CREDIT.

1870.

Nov. 30. By cash received during fiscal year..... \$3 93

---

 \$3 93
 

---

*University Deposits.*

## CREDIT.

1870.

Nov. 30. By cash received during fiscal year..... \$375 00

---

 \$375 00
 

---



*University Interest Deposits.*

## DEBIT.

1870.		
Nov. 30. To balance	.....	\$7 83
		<hr/>
		\$7 83
		<hr/>

*Salt-Spring Deposits.*

## DEBIT.

1870.		
Nov. 30. To balance	.....	\$80 00
		<hr/>
		\$80 00
		<hr/>

*University Interest Deposits.*

## CREDIT.

1870.

Nov. 30. By cash received during fiscal year..... \$7 83

---

\$7 83

---

*Salt-Spring Deposits.*

## CREDIT.

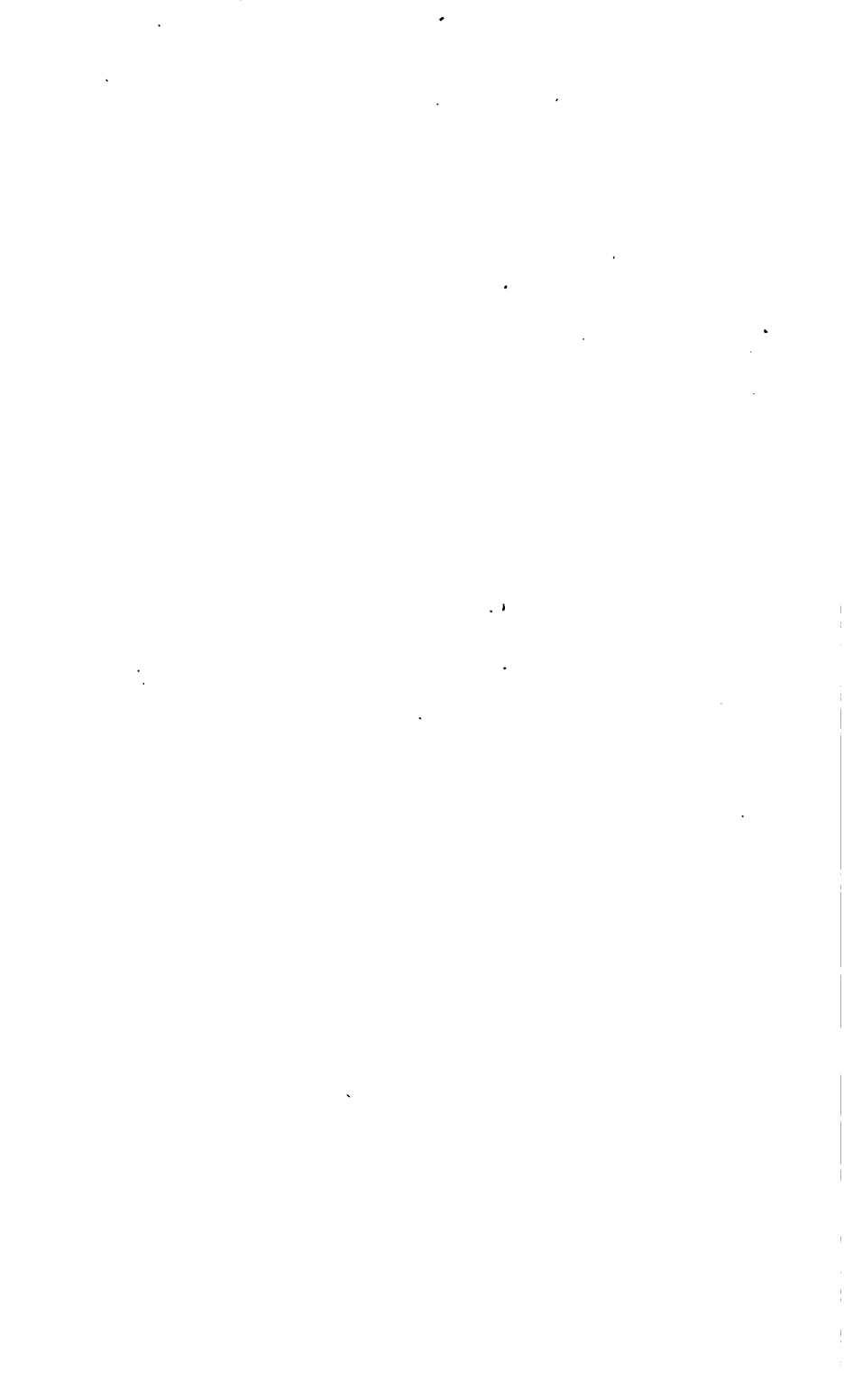
1870.

Nov. 30. By cash received during fiscal year..... \$80 00

---

\$80 00

---



## BANK STATEMENTS.

*STATEMENT showing the condition of the Mechanics' Bank,  
Detroit (organized September 1st, 1870), on Monday, Decem-  
ber 5th, 1870, as required by the Banking Law of the State  
of Michigan:*

### RESOURCES.

Loans and Discounts.....	\$189,662 98
Expense.....	1,593 74
Suspense.....	281 14
Overdrafts.....	289 61
Due from Banks and Bankers.....	\$25,283 55
Cash Items.....	5,619 19
Checks on other Banks.....	8,466 43
Currency.....	9,457 35
Gold.....	1,467 56
Revenue Stamps.....	488 00
	50,782 08
	\$242,609 55

### LIABILITIES.

Capital Stock.....	\$100,000 00
Deposits.....	138,155 06
Interest and Exchange.....	4,454 49
	\$242,609 55

I, E. H. Butler, Cashier of the Mechanics' Bank, Detroit, do solemnly swear that the above statement is true, to the best of my knowledge and belief.

E. H. BUTLER, *Cashier.*

Sworn to and subscribed before me this ninth day of December, 1870.

EPHRAIM K. ROBERTS,  
*Notary Public.*

*STATEMENT showing the condition of the Jackson City Bank, at the close of business hours, November 30th, 1870, as required by the Banking Law of the State of Michigan :*

**RESOURCES.**

Loans and Discounts.....	\$336,139 35
United States 5-20 Bonds.....	700 00
Banking House Safe and Fixtures.....	10,000 00
Revenue Stamps.....	1,864 95
Premium Paid.....	108 88
Due from Banks and Bankers.....	37,501 27
Legal Tenders and National Bank Notes.....	64,171 00
Fractional Currency.....	1,572 95
Coin.....	313 15
Cash Items.....	1,552 73
	<hr/>
	<b>\$453,924 28</b>

**LIABILITIES.**

Capital.....	\$100,000 00
Deposits.....	334,064 33
Profits.....	19,859 95
	<hr/>
	<b>\$453,924 28</b>

I, Benjamin Newkirk, Cashier of the Jackson City Bank, of Jackson, Michigan, do solemnly swear that the above statement is true, to the best of my knowledge and belief.

**BENJ. NEWKIRK,** *Cashier.*

Subscribed and sworn to before me, this ninth day of December, 1870.

**GILBERT R. BYRNE,**  
*Notary Public.*

**STATEMENT** showing the condition of the *Ann Arbor Savings Bank*, at the close of business hours, November 30th, 1870, as required by the Banking Law of the State of Michigan :

## RESOURCES.

Loans and Discounts.....	\$119,617 56
United States 5-20 Bonds, market value.....	1,617 50
Furniture and Fixtures.....	2,539 23
Revenue Stamps.....	623 60
Due from Banks and Bankers.....	16,032 25
Cash—Legal Tender Notes, National Bank Notes, Fractional Currency and Cash Items.....	35,138 85
	<hr/>
	\$175,568 99

## LIABILITIES.

Capital.....	\$50,000 00
Profit and Loss.....	5,191 33
Deposits.....	120,377 66
	<hr/>
	\$175,568 99

I, Schuyler Grant, Cashier of the Ann Arbor Savings Bank, of Ann Arbor, Michigan, do solemnly swear that the above statement is true, to the best of my knowledge and belief.

SCHUYLER GRANT, *Cashier.*

Subscribed and sworn to before me, this thirtieth day of November, 1870.

JAMES B. GOTT,  
*Notary Public, Washtenaw county, Mich.*

*STATEMENT showing the condition of the Merchants' and Manufacturers' Bank, Detroit, at the close of business hours, November 30th, 1870, as required by the Banking Laws of the State of Michigan:*

## RESOURCES.

Public Bonds.....	\$4,000 00
Furniture Account.....	3,000 00
Loans and Discounts.....	151,237 54
Legal Tenders, National Bank Notes, and Fractional Currency.....	20,550 14
Due from Banks and Bankers.....	21,093 47
Exchanges for Clearing House.....	9,422 25
	<hr/>
	<b>\$209,303 40</b>
	<hr/>

## LIABILITIES.

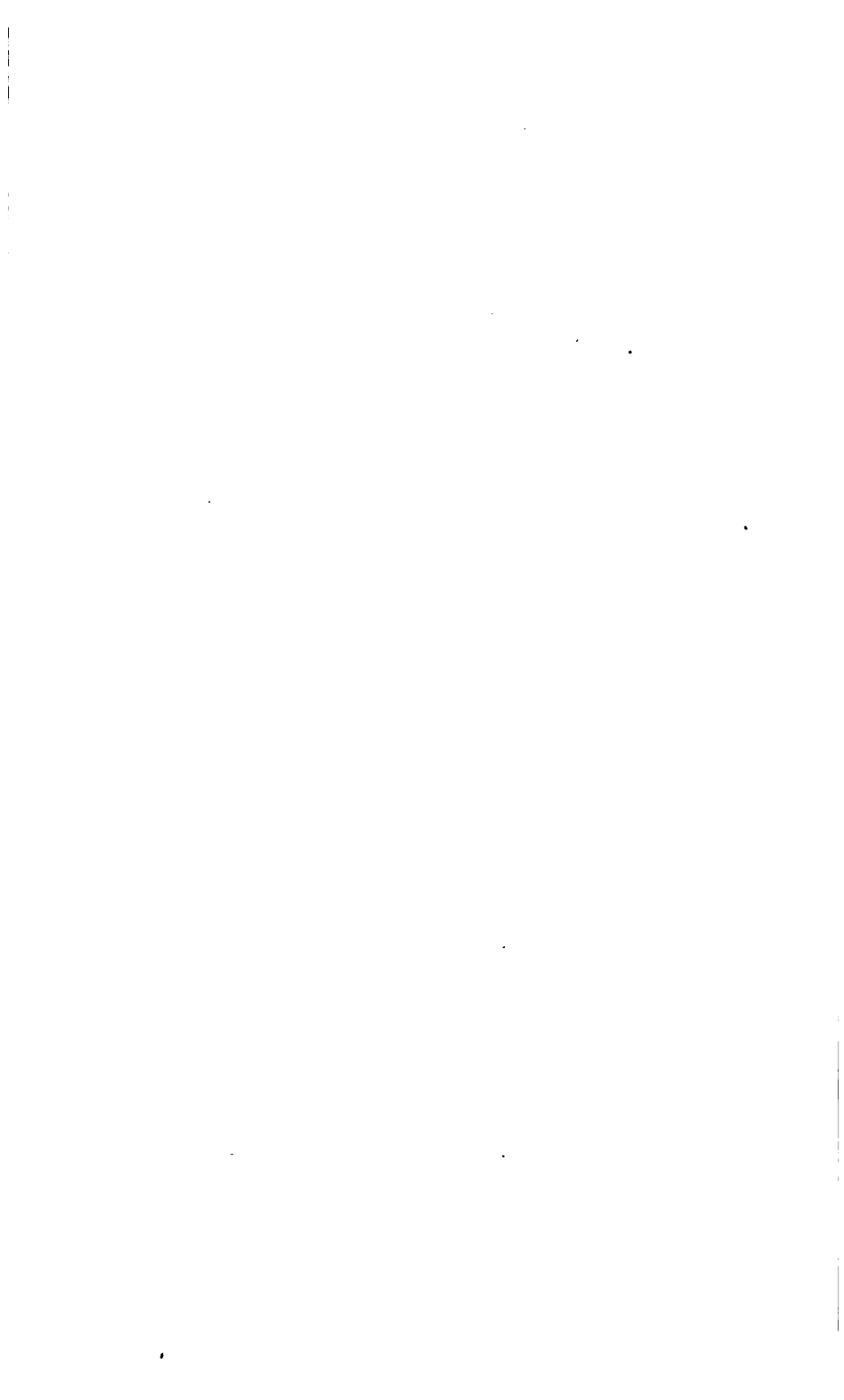
Capital Stock.....	\$100,000 00
Profit and Loss.....	5,232 78
Deposits.....	104,070 62
	<hr/>
	<b>\$209,303 40</b>
	<hr/>

I, Charles C. Cadman, Cashier of the Merchants' and Manufacturers' Bank, Detroit, Michigan, do solemnly swear that the above statement is true, to the best of my knowledge and belief.

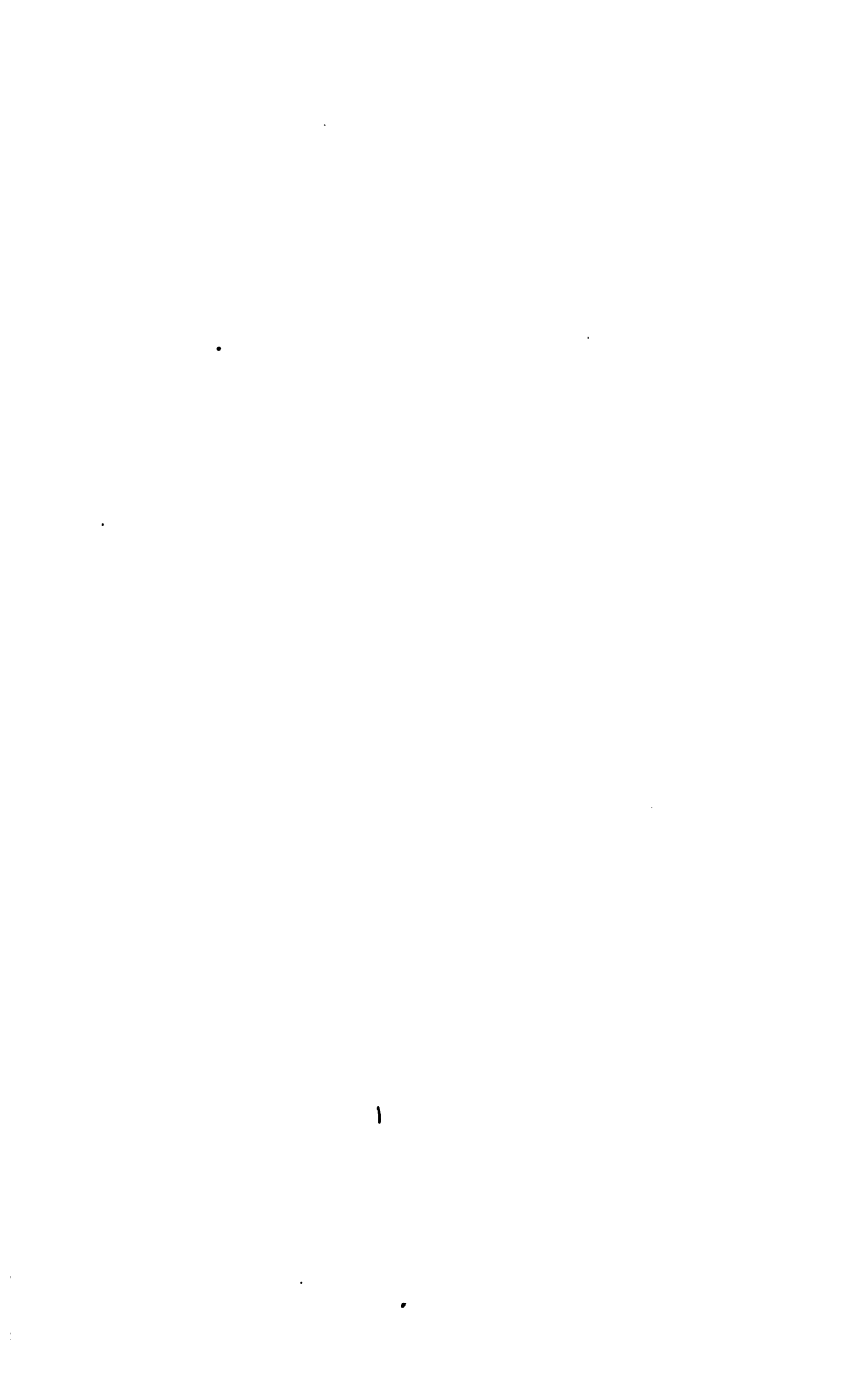
CHARLES C. CADMAN, *Cashier.*

Subscribed and sworn to before me, this ninth day of December, 1870.

MARCUS F. DOW,  
*Notary Public, Wayne County, Mich.*





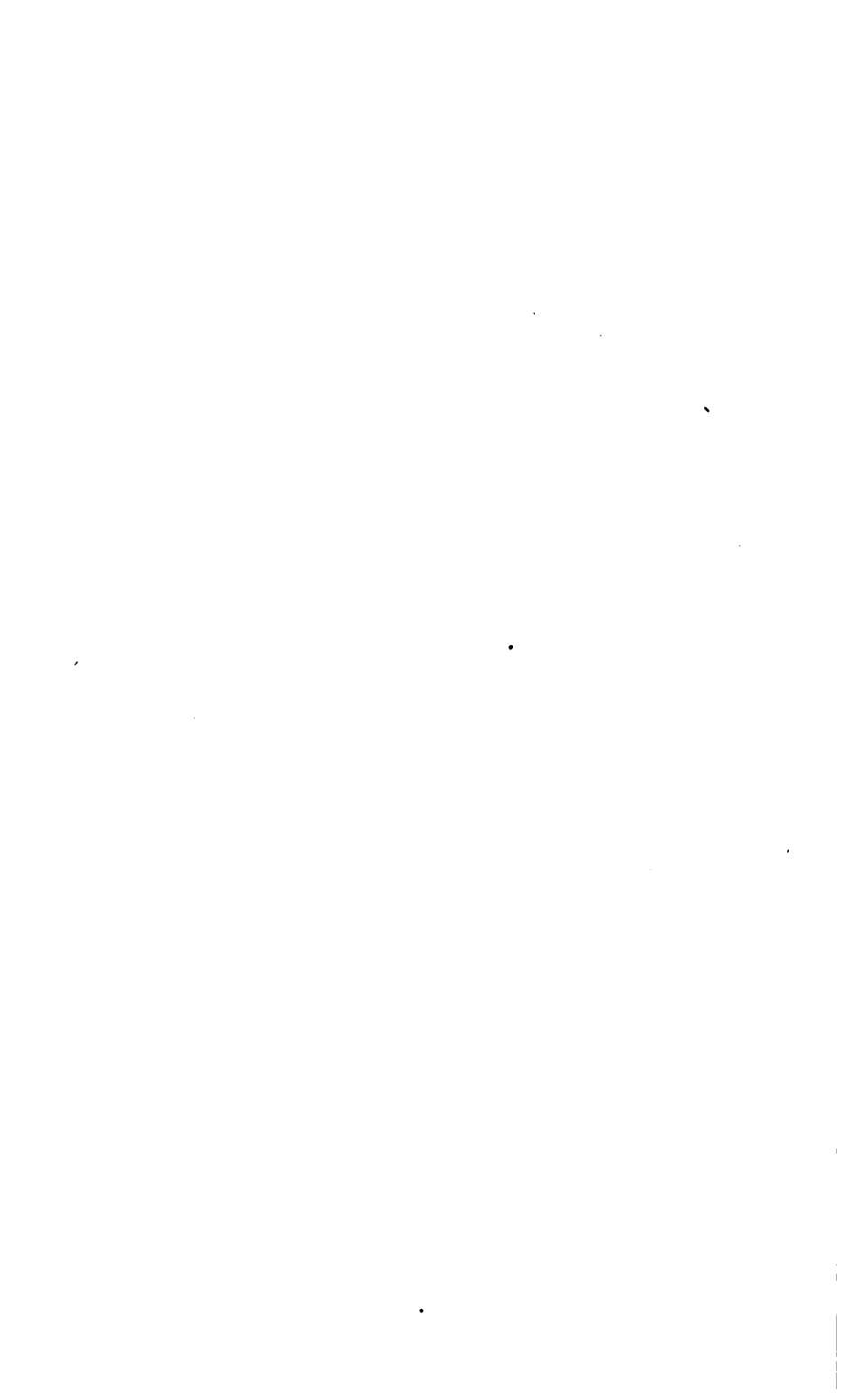


ANNUAL REPORT  
OF THE  
COMMISSIONER OF THE STATE LAND OFFICE  
OF THE  
STATE OF MICHIGAN,  
FOR THE YEAR 1870.



BY AUTHORITY.

LANSING:  
W. S. GEORGE & CO., PRINTERS TO THE STATE.  
1871.



# REPORT.

MICHIGAN STATE LAND OFFICE, }  
*Lansing, November 30, 1870.* }

*To the Legislature of Michigan:*

GENTLEMEN:—In obedience to the law defining the duties of Commissioner of the State Land Office, I have the honor to submit the following report of the business transactions of this office during the year ending November 30, 1870.

Since my last report to your Honorable body, there has been disposed of under existing laws nearly six hundred thousand acres of the public domain, and belonging to the several funds as hereinafter stated. This exhibit must be highly satisfactory, as an evidence of the growing popularity of our State, and its rapid settlement, and consequent development of its varied resources.

It is the design to place before the Legislature, in this report, as full and correct a statement of amounts and conditions of all lands belonging to the State as is possible from the books and records of this office, showing in each instance the amount of lands unsold belonging to each class or fund on the 30th day of November, A. D. 1870.

Very few changes are deemed necessary in the laws regulating the sale and disposition of the Public Lands, as existing laws, if properly administered, will, with few exceptions, sufficiently guard the interests of the State and secure the rights of the citizen.

The following comparative and tabular statements will show the amount of lands sold and disposed of during the year belonging to the several Trust and Swamp Land Funds; the amounts received on account of principal, interest, and penalty upon lands sold during the year, and upon part-paid outstanding certificates, together with amounts of land unsold:

#### PRIMARY SCHOOL LANDS.

There has been sold of the Primary School Lands at original sales 24,622.80 acres for the sum of \$98,491 20, against 22,662.18 acres for the sum of \$90,648 72 during the preceding year, and of lands forfeited and re-sold 1,362.42 acres for the sum of \$5,559 68. Total sold, 25,985.22 acres for an aggregate of \$104,050 88, against 25,940.33 acres for \$103,936 32 in 1869.

There has been received to this fund during the year on account of principal \$105,900 86, against \$115,279 98 in 1869. On account of interest, \$51,041 47, and on account of penalty, \$2,635 33.

The whole number of acres of Primary School Land remaining unsold on the 30th day of November, 1870, embraced in the original grant to the State, was 468,713.07 acres. This does not include the amount still due from the Swamp Land to the School Fund, as provided by Act No. 168, Session Laws of 1859, being 7,857.90 acres, making a total of 476,570.97 acres.

I would respectfully suggest to your honorable body the propriety of passing a law requiring the balance of lands due from the Swamp to the School Fund to be selected from lands lately granted to the State by the General Government, to supply deficiencies in Swamp Land grant, and known as "Indemnity Land;" and that when so selected, that the minimum price be fixed at the same as other Primary School Lands are sold at.

I make this suggestion, believing it to be the earnest desire of every good citizen that this truly noble fund, the fixed

inheritance of every child of Michigan, should be fostered and strengthened in every honorable manner.

#### UNIVERSITY LANDS.

The sales of University Lands during the year have been only 49-100 of one acre, for the sum of \$5 88, against 87.76 acres, for \$1,053 12, in 1869.

Receipts on account of principal for the year were \$3,412 20, against \$7,817 32 during the previous year. Amount received on account of interest was \$9,319 68, and on account of penalty, \$260 20. There remains unsold of the lands belonging to this fund 131.75 acres, lying in Kalamazoo county.

#### NORMAL SCHOOL LANDS.

There have been no sales of Normal School Lands during the year, and no business transactions relating to this fund have taken place at this office, excepting the receipt of \$760 on account of principal, \$1,605 97 as interest, and \$111 38 on account of penalty.

The lands belonging to this fund have all been sold, and nothing remains to be done at this office excepting to receive the balance due upon certificates, and close up the accounts.

#### ASYLUM LANDS.

Whole number of acres sold during the year were 280 at original sale and 120 acres of lands forfeited and re-sold, for an aggregate amount of \$1,800.

The receipts on account of principal were \$1,181 48; on account of interest, \$1,395 53, and on account of penalty, \$158 94.

There still remains unsold of the Asylum Lands 880 acres.

#### STATE BUILDING LANDS.

No original sales have been made during the year, as there are no vacant lands belonging to this fund, and the sales have

been limited to the sale of certain forfeited lots in the city of Lansing, amounting in all to the sum of \$90.

The receipts on account of principal were \$568 50; on account of interest, \$412 13, and on account of penalty, \$5 90.

#### SALT SPRING LANDS.

Total amount of lands sold during the year is 120 acres for the sum of \$480, against 336.40 acres for \$945 60 in 1869.

The receipts on account of principal are \$927 95; on account of interest, \$1,037 50, and on account of penalty, \$145 47.

Whole number of acres remaining unsold November 30, 1870, was 1,255.63.

#### INTERNAL IMPROVEMENT LANDS.

There are no sales of lands belonging to this fund to report during the year.

The receipts on account of principal have been \$116 84.

Total amount of lands unsold is 460.31.

#### AGRICULTURAL COLLEGE LANDS.

The sales of Agricultural College Lands amount to 3,280.00 acres during the year for the sum of \$11,280 00, against 13,480 acres for the sum of \$43,000 00 during 1869.

The receipts on account of principal were \$5,895 00, against \$11,865 00 for 1869.

On account of interest, \$1,800 84, against \$56 68 during the preceding year; and on account of penalty, \$56 42.

There are 218,393.37 acres of the College Lands yet vacant and subject to entry.

It is a matter of surprise and continued disappointment to the friends of the College that these lands are selling so slowly, and it is extremely difficult to account for the limited sale during the last year; for a large portion of these lands are known to be of the very best quality for farming purposes, and

the terms on which they are sold place them within the easy reach of every one desiring a homestead.

It is found upon actual computation that the lands actually patented to the State under the grant from the general government, fall short 4,326.79 acres, so that the whole amount received by the State will be 235,673.37 acres, instead of 240,000.00 acres, as stipulated in the Act of Congress. This deficiency has arisen in part from the ruling adopted by the General Land Office, by which all deficient fractional descriptions were computed as full, and all surplusage where they overrun was charged to the State, and in part by the selection of a few double-priced lands lying within the railroad limits.

#### SWAMP LANDS.

The sales of Swamp Lands for cash during the year have been 5,689.96 acres at original sales, and 440 acres of lands forfeited and re-sold for an aggregate sum of \$8,215.37, against 9,677.08 acres for \$11,253 65 in 1869.

There has been received to the Swamp Land Fund during the year on account of principal, \$323,873 35; of interest, \$4,036 54, and on account of penalty, \$228 83.

There has been disposed of under Act No. 117 of Session Laws of 1859, and the Acts amendatory thereof, during the year, 195,173.50 acres; 22,779 acres have been licensed to actual settlers, and 5,218.05 acres have been patented under the Homestead Act, where proof of five years occupancy has been made.

As the Swamp Lands continue to hold so prominent a position in the resources employed for the development of the State by means of supplying the country with roads and ditches, and the settlers with homesteads, it has been deemed of great importance that a full and reliable statement of the amount and condition of these lands should be placed before the Legislature at this time; and, accordingly, such a statement has been prepared at great labor, and with the utmost regard for its accuracy, and which is the result of a complete



footing and computation of all unpatented Swamp Lands belonging to the State. This statement will appear at the close of this report in tabular form, and from which it will be shown that the total amount of Swamp Land passed to the State under the Act of Congress of 1850 was 5,794,308.57 acres; that of this amount 3,160,516.21 acres were in the Lower Peninsula. and 2,633,792.36 acres were in the Upper Peninsula.

To the amount in the Lower Peninsula as above given should be added 18,823.93 acres, conveyed by the General Government to replace the lands sold and commonly known as "Green Lands."

The condition of these lands, as appeared from the books of this office on the 30th day of November, was as follows, to wit: There had been sold for cash in the Lower Peninsula. 438,742.35 acres; patented upon Homestead License where five years occupancy had been proved, 61,077.75 acres; licensed but unpatented, 94,451.22 acres; amount sold and patented on roads and ditches, 1,258,063.29 acres; reserved on road and ditch contracts, 248,982.17, and disposed of under special acts, 52,873.28; leaving vacant and subject to entry (including the 18,823.93 acres of "Indemnity Lands") an aggregate of 1,025,150.08 acres.

In the Upper Peninsula there has been sold for cash, 59,126.34 acres; patented under Homestead Law, 585.95 acres; licensed, 3,474.43 acres; sold and patented on roads and ditches, 227,252.93 acres; reserved on road and ditch contracts, 70,236.47, and disposed of under special acts, 142,552.95 acres; leaving vacant and subject to entry, 2,130,563.29 acres.

There has been sold at public sale, under the terms and conditions prescribed by Act No. 97, Session Laws of 1869, 2,426.83 acres, and at private sale, 2,935.81, at prices ranging from six to fourteen dollars per acre, and for the sum of \$41,153 42. There has also been reserved on road contracts under said law, 5,209.64 acres, at the price of six dollars per acre, amounting

to the sum of \$31,257 84, thus bringing into the State Treasury a net sum of \$59,195 91 over and above the minimum price heretofore established for the Swamp Lands, thereby demonstrating most substantially that said act was a wise and necessary provision for the protection of the interests of the State.

I would respectfully call the attention of the Legislature to the defects in Section 8, Act No. 31, Session Laws of 1858, and Section 2, Act No. 106, Session Laws of 1859, amendatory thereof. The acts referred to provide for the sale of lands upon quarter payment, provided the purchaser will make and file an affidavit showing the lands to be valuable mainly for agricultural purposes; and that the purchaser intends to become an actual resident upon the lands; and further provide, that in case the purchaser or his assigns shall not settle upon the lands and become a permanent resident thereon within the space of one year, that the certificate of purchase shall be void; and also provide, that the balance due upon the certificate shall be paid within ten years.

There are a great many certificates outstanding, where the ten years have expired and payment has not been made. And in many instances large tracts of land are held under this mode of purchase by speculators, where no settlement has been made, thus defeating the entire objects of the law.

The defects in the acts are, that no authority is vested in the Commissioner to adjudge and determine the question of settlement, or to pronounce the certificate void in case of non-compliance with the law, and the State has no remedy only to apply to the courts for relief in each case.

I would respectfully recommend such legislation in the premises as will relieve the State from this embarrassment.

#### MINERAL LANDS.

I would also respectfully call the attention of the Legislature to the fact, that during the past summer and fall information has been received from the office of the State Geologist,

representing that the lands lying along the north shore of Lake Michigan, in the southern part of Schoolcraft county, were rich in deposits of "Iron Ores," and that upon such information, after due consultation with, and advice from, His Excellency Governor Baldwin, it was decided to withdraw from market all State lands lying in the following townships, to wit:

Towns 46, 47, and 48 N., R. 9 W.; towns 46, 47, and 48 N., R. 10 W.; towns 41, 42, 43, 44, 45, and 46 N., R. 13 W.; towns 42, 43, 44, 45, and 46 N., R. 14 W.; towns 42, 43, 44, and 45 N., R. 15 W.; towns 41, 42, 43, 44, and 45 N., R. 16 W.; and town 44 N., R. 17 W.

The above lands are still withheld from market to await the action of the Legislature. And I would respectfully recommend that such legislation may be had as will procure a thorough and accurate survey of said lands, with a view to ascertaining the extent and quality of the mineral deposits therein; and that the Commissioner be required to withhold all of said lands from market until such survey is completed and a full and complete report thereof made, and until the Legislature shall direct a return of said lands to market.

#### TAXES.

There has been received to the account of taxes on part-paid lands during the fiscal year, the sum of \$5,843 38.

#### FEES AND PLATS.

There has been received and paid into the State Treasury during the year, on account of miscellaneous fees and plats, the sum of \$2,776 00.

#### TRESPASS.

There have been very few complaints of trespasses upon the Trust Fund Lands, and only two cases have been detected, and they have not yet been adjusted. This office has been relieved from the most of the responsibility of looking after trespasses

upon the public lands, as Act No. 76, Session Laws of 1867, creating the office of Swamp Land State Road Commissioner, gave that officer the entire control of trespasses upon all Swamp Lands, and during the last two years the several railroad companies holding grants within the State have assumed the care and supervision of the lands belonging to their respective lines, thus leaving nothing but the *Trust Fund* Land under the supervision of this office.

There have been several cases of supposed trespass reported to this office, but upon investigation it was found that the parties were purchasers under part-paid certificates, which carried the right of possession, thus depriving the cases of the one essential element necessary to support a case of trespass. I would desire to call the attention of the Legislature to this unguarded condition of a large body of the Primary School and Swamp Lands sold prior to March, 1867, which were sold under a form of certificate embodying no provisions against waste or protection against plundering. In a very few instances collateral security by bond as provided by statute has been taken, but in nearly every case the obligations are not worth the paper they are written upon. It is doubtful whether any legislation at this time can be had which will relieve the funds from the giant wrongs being committed under this class of sales.

It early became apparent to your Commissioner upon assuming the duties of this office, that no adequate protection could be furnished to the funds affected by this depletion of their resources, only to compel full payment for the lands at date of purchase; and, accordingly, since March, 1867, it has been the ruling of this officer, under the discretionary powers conferred upon the Commissioner, that lands valuable principally for their pine and other timbers should be sold for full payment only. And I would respectfully recommend the passage of a law requiring in *all* cases where lands are valuable mainly for

their timbers, they shall be sold for full payment, and in no other manner.

In conclusion, I trust I may be permitted to bear testimony of the good results realized under Act No. 101, Session Laws of 1869. Under this Act large tracts of Swamp Lands which were paid for long since, and had lain as *reserved*, in many instances for six or seven years, have been forced to patent, and the titles have gone forth from the State for taxation in the hands of the rightful owners.

Under Act No. 85, Session Laws of 1869, granting a year's redemption under certificates forfeited for non-payment of interest, have been saved to the actual settler a homestead and the accumulation of years of labor, and has most effectually put a stop to that class of speculation which relies for success upon the misfortunes of others.

I would also call attention of your Honorable body, before closing this report, to the highly beneficial results accruing to the State under the workings of the Swamp Land Road Commissioner's Office, and deem it an office which the people can ill afford to abolish at this time, and would most cordially recommend its continuance.

All of which is respectfully submitted.

BENJ. D. PRITCHARD,

*Commissioner.*

## SALES AND RECEIPTS.

*From December 1st, 1869, to November 30th, 1870, inclusive.*

### PRIMARY SCHOOL LANDS.

*Monthly Abstract of Sales for the year ending November 30th,  
1870.*

YEAR.	MONTH.	State Lands, Acres.	Forfeited Lands, Acres.	Amount Sold for.
1869	December .....	1,294.25	80.00	\$5,497 00
1870	January .....	1,360.00	80.00	5,760 00
1870	February .....	1,280.00	32.37	5,249 48
1870	March .....	1,251.60	.....	5,006 40
1870	April .....	901.92	120.00	4,087 68
1870	May .....	3,864.12	.....	15,456 48
1870	June .....	3,140.11	80.00	12,880 44
1870	July .....	347.55	129.30	1,907 40
1870	August .....	600.00	200.00	3,200 00
1870	September .....	2,710.80	160.75	11,486 20
1870	October .....	4,792.45	160.00	19,914 80
1870	November .....	3,040.00	360.00	13,605 00
Total .....		24,582.80	1,402.42	\$104,050 88

### *Receipts.*

On account of principal .....	\$105,900 86
“ “ interest .....	51,041 47
“ “ penalty .....	2,635 33
Total .....	<u>\$159,577 66</u>

## UNIVERSITY LANDS.

*Monthly Abstract of Sales for the year ending November 30, 1870.*

YEAR.	MONTH.	State Lands, Acres.	Amount Sold for.
1870	March.....	.49	\$5 88

*Receipts.*

On account of principal.....	\$3,412 20
“ “ interest.....	9,319 68
“ “ penalty.....	260 20
Total .....	<u>\$12,992 08</u>

## NORMAL SCHOOL LANDS.

*Receipts for the year ending November 30, 1870.*

On account of principal.....	\$ 760 00
“ “ interest.....	1,605 97
“ “ penalty.....	111 38
Total .....	<u>\$2,477 35</u>

## AGRICULTURAL COLLEGE LANDS.

*Monthly Abstract of Sales for the year ending November 30,  
1870.*

YEAR.	MONTH.	State Lands, Acres.	Amount Sold for.
1869	December.....	440	\$1,320 00
1870	February.....	280	920 00
1870	March.....	120	360 00
1870	April.....	360	1,080 00
1870	May.....	800	2,400 00
1870	June.....	320	960 00
1870	August.....	160	480 00
1870	November.....	800	3,760 00
Total.....		3,280	\$11,280 00

*Receipts.*

On account of principal.....	\$5,895 00
" " interest.....	1,800 84
" " penalty.....	56 42
Total.....	<u>\$7,752 26</u>



## ASYLUM LANDS.

*Monthly Abstract of Sales for the year ending November 30, 1870.*

YEAR.	MONTH.	State Lands, Acres.	Forfeited Lands, Acres	Amount Sold for.
1870	January.....	80	.....	\$320 00
1870	March.....	.....	40	160 00
1870	April.....	120	.....	480 00
1870	May.....	.....	40	160 00
1870	September.....	80	.....	320 00
1870	October.....	.....	40	160 00
Total .....		280	120	\$1,600 00

*Receipts.*

On account of principal.....	\$1,181 48
“ “ interest.....	1,395 53
“ “ penalty.....	158 94
Total.....	<u>\$2,735 95</u>

## STATE BUILDING LANDS.

*Monthly Abstract of Sales for the year ending November 30, 1870.*

YEAR.	MONTH.	Forfeited Lands.	Amount Sold for.
1870	April.....	Lansing Lots.	\$22 50

*Receipts.*

On account of principal.....	\$568 50
" " interest.....	412 13
" " penalty.....	5 90
<b>Total .....</b>	<b>\$986 53</b>

## SALT SPRING LANDS.

*Monthly Abstract of Sales for the year ending November 30, 1870.*

YEAR.	MONTH.	State Lands, Acres.	Amount Sold for.
1869	December.....	80	\$320 00
1870	March.....	40	160 00
<b>Total.....</b>		<b>120</b>	<b>\$480 00</b>

*Receipts.*

On account of principal.....	\$ 927 95
" " interest.....	1,037 50
" " penalty.....	145 47
<b>Total .....</b>	<b>\$2,110 92</b>

## INTERNAL IMPROVEMENT LANDS.

*Monthly Abstract of Sales for the year ending November 30,  
1870.*

YEAR.	MONTH.	State Lands, Acres.	Amount Sold for.
1870	August.....	32.90	\$41 13
1870	November.....	60.57	75 71
Total ..		93.47	\$116 84

*Receipts.*

On account of principal..... \$116 84

## SWAMP LANDS.—PART PAID.

*Monthly Abstract of Sales for the year ending November 30,  
1870.*

YEAR	MONTH.	State Lands, Acres.	Forfeited Lands, Acres.	Amount Sold for.
1869	December.....	400.00	1,510.57	\$1,632 92
1870	January.....	496.49		620 61
1870	February.....	560.00		700 00
1870	March.....	784.30	40.00	1,010 37
1870	April.....	440.00		550 00
1870	May.....	674.81		843 51
1870	June.....	488.53		610 66
1870	July.....	243.39		304 24
1870	August.....	418.17		522 71
1870	September.....	458.41		573 02
1870	October.....	40.00		50 00
1870	November.....	685.86		857 33
Total.....		5,689.96	1,550.57	\$8,275 37

*Receipts.*

On account of principal.....	\$323,873 35
" " interest.....	4,036 54
" " penalty.....	228 83
<b>Total .....</b>	<b>\$328,138 72</b>

## RECAPITULATION.

	State Lands, Acres.	Forfeited L'nds, Acres	Amount Sold for.
Primary School Lands.....	24,622.80	1,362.42	\$104,050 88
Swamp Lands, part paid....	6,752.23	440.00	8,215 37
University Lands.....	.49	.....	5 88
Agricultural College Lands..	3,280.00	.....	11,280 00
Asylum Lands.....	280.00	120.00	1,600 00
State Building Lands.....	.....	Lausing lots.	22 50
Salt Spring Lands.....	120.00	.....	480 00
Internal Improvement Lands	93.47	.....	116 84
<b>Total .....</b>	<b>35,148.99</b>	<b>1,922.42</b>	<b>\$125,771 47</b>

## FORFEITED STATE LANDS.

*Statement of Principal and Interest received for the year  
ending November 30, 1870.*

	Principal.	Interest.
Primary School Bids.....	\$1,240 21	\$119 81
Swamp Land Bids.....	186 33	4 72
University Bids.....	375 00	7 83
State Building.....		3 93
Salt Spring Bids.....	80	
Total.....	\$1,881 54	\$136 29

*TABLE Showing Total Amount of Receipts for each Month  
during the year ending November 30, 1870.*

1869 December.....	\$73,579 97
1870 January.....	51,573 34
1870 February.....	38,379 03
1870 March.....	24,044 82
1870 April.....	58,181 46
1870 May.....	44,732 16
1870 June.....	15,259 81
1870 July.....	31,177 33
1870 August.....	12,766 11
1870 September.....	63,721 03
1870 October.....	50,338 11
1870 November.....	63,772 35
Total.....	\$527,525 52

*Total amount of Receipts during the year ending November  
30, 1870.*

Primary School Principal.....	\$105,900 86
“ “ Interest.....	51,041 47
“ “ Penalty.....	2,635 33
Swamp Principal.....	323,873 35
“ Interest.....	4,036 54
“ Penalty.....	228 83
University Principal.....	3,412 20
“ Interest.....	9,319 68
“ Penalty.....	260 20
Agricultural College Principal.....	5,895 00
“ “ Interest.....	1,800 84
“ “ Penalty.....	56 42
Normal School Principal.....	760 00
“ “ Interest.....	1,605 97
“ “ Penalty.....	111 38
Asylum Principal.....	1,181 48
“ Interest.....	1,395 53
“ Penalty.....	158 94
State Building Principal.....	568 50
“ “ Interest.....	412 13
“ “ Penalty.....	5 90
Salt Spring Principal.....	927 95
“ “ Interest.....	1,037 50
“ “ Penalty.....	145 47
Internal Improvement Principal.....	116 84
Forfeited State Lands Bids.....	1,881 54
“ “ “ Interest.....	136 29
Fees, Plats, etc.....	2,776 00
Taxes on Part-paid Lands.....	5,843 38
<b>Total.....</b>	<b>\$527,525 52</b>

*TABLE Showing by Counties the amount of Primary School Land sold, for the year ending November 30, 1870.*

COUNTY.	ACRES.	Am't Sold for.
Alcona.....	120.00	\$480 00
Allegan.....	120.00	480 00
Alpena.....	120.00	480 00
Antrim.....	417.40	1,669 60
Bay.....	1,680.00	6,720 00
Charlevoix.....	160.00	640 00
Chippewa.....	150.80	603 20
Clare.....	1,560.00	6,240 00
Crawford.....	760.00	3,040 00
Delta.....	360.00	1,440 00
Emmet.....	393.40	1,573 60
Gladwin.....	2,110.32	8,441 28
Grand Traverse.....	520.00	2,080 00
Gratiot.....	120.00	480 00
Houghton.....	35.10	140 40
Huron.....	80.00	320 00
Iosco.....	400.00	1,600 00
Isabella.....	720.00	2,880 00
Kalkaska.....	320.00	1,280 00
Kent.....	120.00	480 00
Lake.....	160.00	640 00
Lapeer.....	40.00	160 00
Leelanaw.....	27.55	110 20
Livingston.....	40.00	160 00
Manistee.....	240.00	960 00
Marquette.....	360.00	1,440 00
Mason.....	1,296.77	5,187 08
Mecosta.....	519.35	2,077 40
Menominee.....	680.00	2,720 00
Midland.....	1,191.55	4,766 20
Missaukee.....	440.00	1,760 00
Monroe.....	95.05	380 20
Montcalm.....	680.00	2,720 00
Montmorenci.....	440.00	1,760 00
Muskegon.....	200.00	800 00

*Primary School Lands—Continued.*

COUNTY.	ACRES.	Am't Sold for.
Newaygo.....	386.91	\$1,547 64
Oceana.....	80.00	320 00
Ogemaw.....	1,945.90	7,783 60
Oscola.....	1,501.33	6,005 32
Ottawa.....	400.00	1,600 00
Presque Isle.....	192.25	769 00
Roscommon.....	1,360.00	5,440 00
Saginaw.....	358.22	1,432 88
Sanilac.....	320.00	1,280 00
Tuscola.....	400.00	1,600 00
Van Buren.....	.90	3 60
Wexford.....	960.00	3,840 00
Total.....	24,582.80	\$98,331 20



*TABLE showing, by Counties, the Sales of Agricultural College, University, Asylum, Salt-Spring, and Internal Improvement Lands, for the year ending November 30, 1870.*

COUNTIES.	Agricultural Ccl. Lands.	Univers- ity Lands.	Asylum Lands.	Salt Spring Lands.	Internal Improve- ment Lands.
	Acres.	Acres.	Acres.	Acres.	Acres.
Alcona .....	40.00	.....	.....	.....	.....
Alpena .....	40.00	.....	.....	.....	.....
Antrim .....	200.00	.....	.....	.....	.....
Benzie .....	320.00	.....	.....	.....	.....
Berrien .....	.....	.49	.....	.....	.....
Cheboygan .....	1,000.00	.....	.....	.....	.....
Grand Traverse .....	40.00	.....	.....	.....	.....
Manistee .....	640.00	.....	.....	.....	.....
Midland .....	.....	.....	.....	120.00	.....
Montcalm .....	.....	.....	.....	.....	32.90
Muskegon .....	.....	.....	40.00	.....	.....
Newaygo .....	.....	.....	240.00	.....	.....
Tuscola .....	.....	.....	.....	.....	60.57
Wexford .....	1,000.00	.....	.....	.....	.....
<b>Total .....</b>	<b>3,280.00</b>	<b>.49</b>	<b>280.00</b>	<b>120.00</b>	<b>93.47</b>

*TABLE showing, by Counties, the amount of Swamp Lands sold for cash, for the year ending November 30, 1870.*

Counties.	Acres.
Alcona.....	80.00
Alpena.....	608.54
Antrim.....	80.00
Cheboygan ..	909.58
Clinton.....	80.00
Delta.....	160.00
Gratiot.....	504.30
Huron.....	963.39
Ionia.....	80.00
Iosco.....	200.00
Isabella.....	85.86
Kent.....	40.00
Lapeer.....	120.17
Mackinac.....	69.70
Mason.....	80.00
Mecosta.....	320.00
Menominee.....	200.00
Montcalm.....	160.00
Oceana.....	40.00
Osceola.....	80.00
Ottawa.....	8.16
Presque Isle.....	31.60
Sanilac.....	336.32
St. Clair.....	120.00
Tuscola.....	332.34
Total .....	<u>5,689.96</u>

*TABLE showing, by Counties, the Amount of Swamp Lands sold under Act 117, Session Laws of 1859, and the Acts amendatory thereto, for the year ending November 30, 1870.*

Counties.	Acres.
Alcona.....	5,343.76
Allegan.....	1,760.00
Alpena.....	6,461.65
Antrim.....	1,190.05
Barry.....	94.69
Bay.....	1,608.71
Benzie.....	847.00
Charlevoix.....	3,338.25
Calhoun.....	40.00
Cass.....	30.70
Cheboygan.....	7,128.28
Chippewa.....	1,140.24
Clare.....	3,553.51
Clinton.....	60.00
Crawford.....	1,304.33
Delta.....	1,666.95
Eaton.....	343.00
Emmet.....	6,016.47
Gladwin.....	3,825.20
Grand Traverse.....	1,945.45
Gratiot.....	2,400.93
Houghton.....	80.00
Huron.....	4,004.46
Ingham.....	120.00
Ionia.....	238.54
Iosco.....	1,040.00
Isabella.....	1,719.83
Kalkaska.....	3,641.19
Kent.....	160.00

TABLE—Continued.

Counties.	Acres.
Lake.....	2,620.74
Lapeer.....	280.00
Leelanaw.....	143.95
Livingston.....	40.00
Mackinac.....	2,817.84
Manistee.....	3,950.73
Marquette.....	14,136.17
Mason.....	4,850.93
Mecosta.....	2,769.93
Menominee.....	19,294.96
Midland.....	3,047.18
Missaukee.....	4,082.11
Montcalm.....	2,245.06
Montmorency.....	3,871.97
Muskegon.....	5,105.91
Newaygo.....	5,862.37
Oceana.....	3,339.40
Ogemaw.....	3,336.59
Osceola.....	6,752.06
Oscoda.....	1,822.67
Otsego.....	2,630.08
Ottawa.....	202.26
Presque Isle.....	8,993.44
Roscommon.....	8,730.45
Saginaw.....	1,104.80
Sanilac.....	8,359.56
Schoolcraft.....	3,455.41
Shiawassee.....	80.00
Tuscola.....	7,836.21
Van Buren.....	40.00
Washtenaw.....	40.00
Wexford.....	2,227.53
Total.....	195,173.50

*TABLE showing, by Counties, the amount of Swamp Lands for which Licenses were granted to Settlers; also, Licenses patented on five years' proof, during the year ending November 30, 1870.*

COUNTIES.	Settlers' Li- censes not patented.	Settlers' Li- censes pat- ented.
	ACRES.	ACRES.
Alcona.....	120.00	160.00
Allegan.....	886.73	80.00
Alpena.....	6,861.56	160.00
Antrim.....	160.00	78.36
Bay.....	160.00	282.75
Charlevoix.....	316.15	319.20
Cheboygan.....	1,746.12	576.66
Chippewa.....	320.00	.....
Gratiot.....	400.00	240.00
Huron.....	2,339.72	430.76
Ionia.....	.....	40.00
Iosco.....	160.00	.....
Isabella.....	720.00	838.85
Kent.....	.....	40.00
Lapeer.....	.....	80.00
Leelanaw.....	80.00	80.00
Lenawee.....	.....	51.80
Mason.....	486.37	56.88
Mecosta.....	600.00	280.67
Midland.....	.....	160.00
Montcalm.....	120.92	280.00
Montmorenci.....	160.00	.....
Muskegon.....	800.00	.....
Newaygo.....	391.91	.....
Oceana.....	400.00	.....
Osceola.....	663.68	.....
Ottawa.....	80.00	80.00
Presque Isle.....	1,877.47	.....
Roscommon.....	80.00	.....
Saginaw.....	.....	80.00
Sanilac.....	909.54	360.00
Shiawassee.....	80.00	142.12
Tuscola.....	1,879.33	320.00
Total.....	22,799.50	5,218.05

## GRADUATION LANDS.

*TABLE showing, by Counties, the amount of Swamp Lands sold under Act 97, Session Laws of 1869; also, amount reserved on scrip, at \$6 per acre, during the year ending November 30, 1870.*

COUNTIES.	ACRES.	Reserved at \$6.00 per acre.
		ACRES.
Clare.....	1,054.17	120.00
Jackson.....	40.00	.....
Leelanaw.....	.....	40.00
Missaukee.....	3,901.40	4,649.28
Ottawa.....	.....	40.00
Presque Isle.....	.....	40.00
Wexford.....	367.07	320.36
Total.....	5,362.64	5,209.64

## RECEIPTS.

	Acres sold.	Price.	Am't sold for.
Public sale.....	40.00	\$14 00	\$ 560 00
“ “.....	40.00	13 00	520 00
“ “.....	80.00	9 00	7 20
“ “.....	80.00	8 10	648 00
“ “.....	2,186.83	8 05	17,603 98
Private sale.....	1,733.29	8 00	13,866 32
“ “.....	1,202.52	6 00	7,215 12
Total.....	5,362.64		\$41,133 42

*TABLE showing, by Counties, the amount of vacant Primary School, Agricultural College, and Mineral Lands, on the 30th day of November, 1870.*

COUNTIES.	Primary School Lands.	Agricultural College Lands.	Reserved Mineral Lands.
	ACRES.	ACRES.	ACRES.
Alcona.....	6,640.00	33,967.84	.....
Allegan.....	1,211.51	.....	.....
Alpena.....	7,994.24	2,360.00	.....
Antrim.....	6,828.08	19,123.22	.....
Bay.....	5,082.89	.....	.....
Benzie.....	1,120.00	6,240.00	.....
Berrien.....	80.00	.....	.....
Calhoun.....	80.00	.....	.....
Charlevoix.....	4,226.00	4,765.09	.....
Cheboygan.....	12,517.64	14,304.90	.....
Chippewa.....	42,235.72	.....	.....
Clare.....	4,485.43	.....	.....
Clinton.....	394.68	.....	.....
Crawford.....	7,836.30	.....	.....
Delta.....	19,300.81	.....	2,880.00
Eaton.....	520.00	.....	.....
Emmet.....	8,159.33	.....	.....
Gladwin.....	4,527.30	.....	.....
Grand Traverse.....	3,102.21	2,080.00	.....
Gratiot.....	2,360.00	.....	.....
Houghton.....	21,900.45	.....	4,360.30
Huron.....	7,657.50	.....	.....
Ingham.....	80.00	.....	.....
Ionia.....	40.00	.....	.....
Iosco.....	5,638.82	27,274.57	.....
Isabella.....	2,600.00	.....	.....
Kalkaska.....	8,512.85	10,074.30	.....
Keweenaw.....	517.85	.....	.....
Lake.....	6,999.12	.....	.....
Lapeer.....	240.00	.....	.....
Leelanaw.....	3,567.75	120.00	.....
Livingston.....	80.00	.....	.....
Mackinac.....	20,269.85	.....	.....
Manistee.....	3,968.58	12,160.00	.....
Manitou.....	1,931.10	.....	.....
Marquette.....	48,258.27	.....	8,520.00
Mason.....	3,874.74	.....	.....

TABLE—Continued.

COUNTIES.	Primary School Lands.	Agricultural College Lands.	Reserved Mineral Lands.
	ACRES.	ACRES.	ACRES.
Mecosta .....	1,584.15	.....	.....
Menominee .....	19,011.72	.....	.....
Midland .....	2,444.24	.....	.....
Missaukee .....	5,600.00	7,994.65	.....
Monroe .....	562.27	.....	.....
Montcalm .....	320.00	.....	.....
Montmorency .....	8,640.00	9,912.95	.....
Muskegon .....	2,899.09	.....	.....
Newaygo .....	4,320.00	.....	.....
Oceana .....	1,085.66	.....	.....
Ogemaw .....	9,829.00	.....	.....
Ontonagon .....	40,113.00	.....	3,240.00
Osceola .....	4,826.10	.....	.....
Oscoda .....	8,880.00	17,898.46	.....
Otsego .....	7,911.28	9,839.44	.....
Ottawa .....	400.00	.....	.....
Presque Isle .....	10,426.03	2,477.95	.....
Roscommon .....	6,607.05	.....	.....
Saginaw .....	2,654.75	.....	.....
Sanilac .....	5,240.00	.....	.....
Schoolcraft .....	39,059.71	.....	.....
St. Clair .....	280.00	.....	.....
Tuscola .....	5,120.00	.....	.....
Van Buren .....	40.00	.....	.....
Wexford .....	6,000.00	37,800.00	.....
<b>Total .....</b>	<b>468,713.07</b>	<b>218,393.37</b>	<b>19,000.30</b>



*TABLE showing, by Counties, the amount of vacant University, Asylum, Salt Spring, and Internal Improvement Lands, on the 30th day of November, 1870.*

COUNTIES.	University Lands.	Asylum Lands.	Salt Spring Lands.	Internal Im- provement Lands.
	ACRES.	ACRES.	ACRES.	ACRES.
Antrim .....				80.00
Berrien .....	12.01			
Gratiot .....			40.00	
Kalamazoo .....	200.00			80.00
Leelanaw .....				160.00
Midland .....			1,215.63	
Muskegon .....		640.00		
Newaygo .....		240.00		
Tuscola .....				140.31
<b>Total .....</b>	<b>212.01</b>	<b>880.00</b>	<b>1,255.63</b>	<b>460.31</b>

*COMPARATIVE STATEMENT of the sales of State Lands since December 1, 1857, for each fiscal year, deducting Forfeitures.*

PRIMARY SCHOOL LANDS.

YEARS.	ACRES.	Amount sold for.
1858.....	3,058.62	\$12,234 48
1859.....	3,448.75	13,393 00
1860.....	4,151.30	16,605 20
1861.....	3,614.19	14,456 76
1862.....	2,594.88	10,479 52
1863.....	15,528.27	61,594 43
1864.....	24,770.93	107,171 99
1865.....	20,288.41	80,559 71
1866.....	37,885.30	151,353 03
1867.....	31,683.45	125,237 68
1868.....	28,848.28	115,393 12
1869.....	22,662.18	90,648 72
1870.....	24,582.80	98,331 20
<b>Total.....</b>	<b>223,117.36</b>	<b>\$897,458 84</b>

## UNIVERSITY LANDS.

YEARS.	ACRES.	Amount sold for.
1858.....	153.60	\$1,843 20
1859.....	388.29	4,671 48
1860.....	369.20	4,430 40
1861.....	360.00	4,320 00
1862.....	80.00	960 00
1863.....	213.80	2,565 60
1864.....	368.35	4,420 20
1865.....	200.00	2,400 00
1866.....	320.54	3,858 48
1867.....	160.00	1,920 00
1868.....	188.75	2,265 00
1869.....	87.76	1,053 12
1870.....	.49	5 88
Total.....	2,890.78	\$34,713 36

## AGRICULTURAL COLLEGE LANDS.

YEARS.	ACRES.	Amount sold for.
1868.....	520.00	\$ 2,600 00
1869.....	13,480.00	43,000 00
1870.....	3,280.00	11,280 00
Total.....	17,280.00	\$56,880 00

## NORMAL SCHOOL LANDS.

YEARS.	ACRES.	Amount sold for.
1858.....	80.00	\$ 320 00
1859.....	40.00	160 00
1861.....	80.00	320 00
1862.....	80.00	320 00
1863.....	80.00	320 00
1864.....	200.00	800 00
1865.....	840.00	3,360 00
1866.....	40.00	160 00
1867.....	160.50	640 00
1868.....	40.00	160 00
Total.....	1,640.00	\$6,560 00

## ASYLUM LANDS.

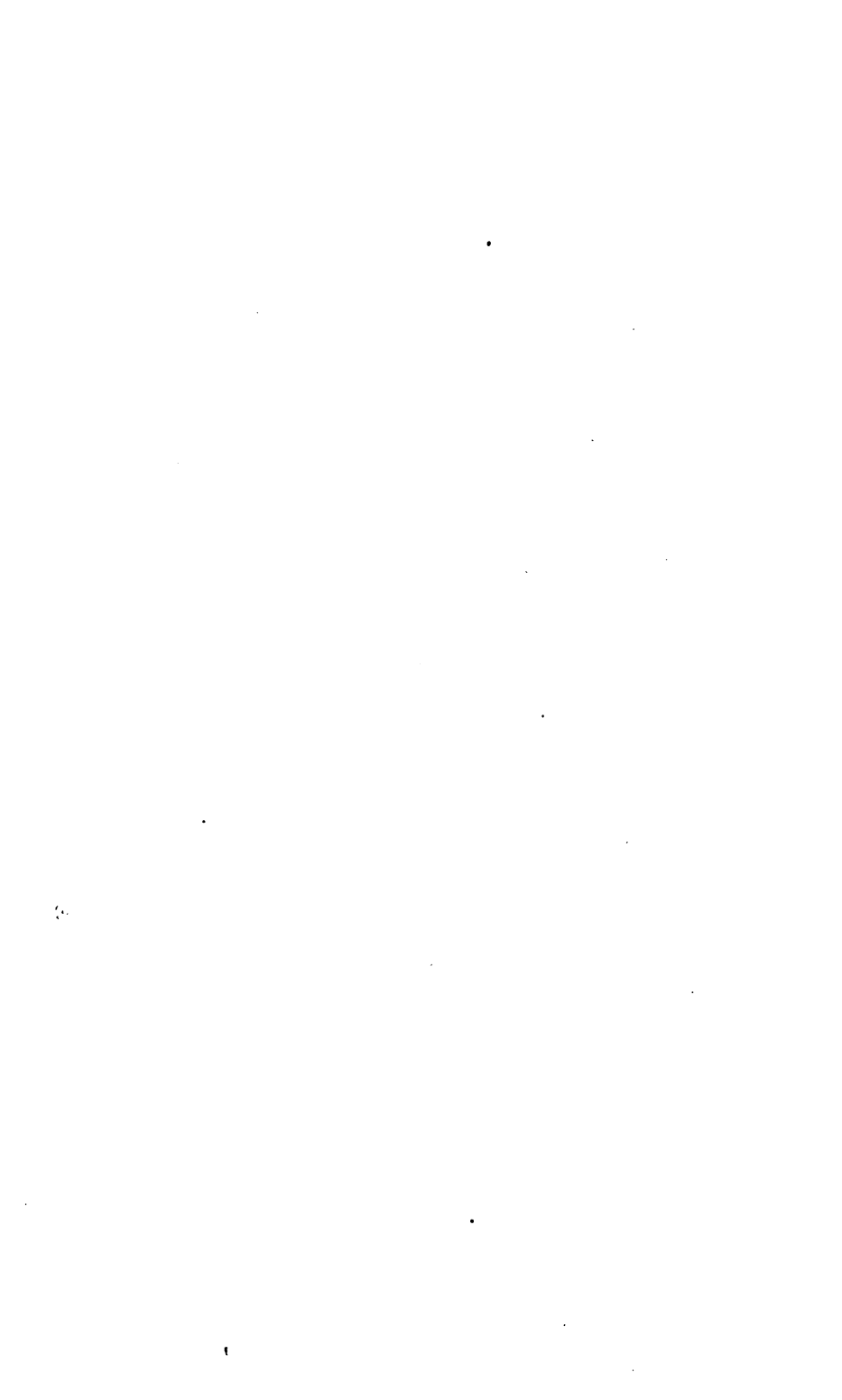
YEARS.	ACRES.	Amount sold for.
1858.....	160.00	\$ 640 00
1862.....	80.00	320 00
1863.....	240.00	960 00
1864.....	193.03	772 12
1865.....	680.00	2,720 00
1866.....	200.00	800 00
1867.....	160.00	640 00
1868.....	200.00	800 00
1869.....	80.00	320 00
1870.....	280.00	1,120 00
Total.....	2,273.03	\$9,092 12

*COMPARATIVE STATEMENT of Swamp Land Sales since  
January, 1854, for each fiscal year, deducting Forfeitures.*

YEARS.	ACRES.	Amount sold for.
1854.....	142,933.09	\$113,212 49
1855 (no sale).....	.....	.....
1856.....	1,023.73	1,230 77
1857.....	2,334.08	2,232 88
1858.....	97,620.08	122,287 00
1859.....	74,888.00	93,542 90
1860.....	22,306.96	27,883 82
1861.....	27,961.36	34,951 67
1862.....	16,549.77	20,687 18
1863.....	106,057.37	132,575 17
1864.....	136,235.00	171,489 13
1865.....	136,533.74	170,767 41
1866.....	177,103.03	221,378 78
1867.....	288,123.61	360,405 16
1868.....	253,474.84	316,843 52
1869.....	273,590.97	341,988 71
1870.....	200,863.46	251,079 32
<b>Total.....</b>	<b>1,957,599.09</b>	<b>\$2,382,555 91</b>

# *Showing the Condit*

COUNTIES.	Original Amount.	Vacant.	Homesteads R ented.
	ACRES.	ACRES.	ACRES.
ALCONA.....	122,695.45	36,903.67	568.9
ALLEGAN.....	33,265.76	5,951.18	3,321.1
ALPENA.....	249,429.39	147,430.58	521.5
ANTRIM.....	17,709.13	7,140.85	78.3
BARRY.....	5,167.50	156.61	516.3
BAY.....	117,826.95	11,687.42	2,536.8
BENZIE.....	18,893.57	7,610.81	-----
BERRIEN.....	7,352.08	65.29	-----
BRANCH.....	4,499.36	-----	-----
CALHOUN.....	12,934.55	239.99	40.00
CASS.....	7,421.39	180.08	-----
CHARLEVOIX.....	51,407.69	16,544.57	471.20
CHEBOYGAN.....	154,429.91	66,951.40	1,864.69
CLARE.....	77,252.62	16,334.34	-----
CLINTON.....	23,461.94	900.00	512.01
CRAWFORD.....	38,294.25	29,096.74	-----
EATON.....	15,664.17	777.26	471.03
EMMET.....	67,958.87	29,296.91	-----
GENESEE.....	4,317.64	280.00	556.91
GLADWIN.....	99,915.29	13,661.31	-----
GRAND TRAVERSE.....	29,908.58	10,502.51	160.00
GRATIOT.....	51,637.60	5,893.00	5,193.20
HILLSDALE.....	1,299.81	-----	-----
HURON.....	171,681.05	35,837.18	7,858.08
INGHAM.....	16,699.02	1,398.67	160.00
IONIA.....	11,785.01	624.78	839.92
IOSCO.....	68,907.23	34,130.49	160.00
ISABELLA.....	52,971.76	3,656.32	1,998.35
JACKSON.....	5,001.45	40.00	-----
KALAMAZOO.....	5,679.51	80.00	-----
KALCASCA.....	43,533.71	20,403.28	-----
KENT.....	15,104.96	243.84	1,009.78
LAKE.....	23,146.79	11,742.17	-----
LAPEER.....	21,855.81	440.00	2,519.63
LEELANAW.....	12,163.04	3,816.79	211.80
LENAWEE.....	1,800.00	-----	-----
LIVINGSTON.....	3,836.64	302.48	-----
MACOMB.....	41.65	-----	-----
MANISTEE.....	49,186.28	19,631.11	-----
MASON.....	42,495.95	18,936.15	-----
MECOSTA.....	46,814.51	2,487.64	3,040.67
MIDLAND.....	35,933.46	2,609.38	320.00



# R E P O R T

OF THE

## SWAMP LAND STATE ROAD COMMISSIONER

OF THE

## STATE OF MICHIGAN,

FOR THE YEARS 1869 AND 1870.



BY AUTHORITY.

LANSING:

W. S. GEORGE & CO., PRINTERS TO THE STATE.

1871.





# REPORT

---

SWAMP LAND STATE ROAD COMMISSIONER'S OFFICE, )  
*Lansing, Michigan, January 2, 1871.* )

*To the Legislature of the State of Michigan :*

As required by section 9, of act 76, of the session laws of 1867, I present in these pages my second report to your honorable body, with such recommendations as to me appear proper and necessary to secure the best interests of the State in matters connected with this department.

The tables herewith will show, in a condensed form, my "acts and doings" since my last report.

Table No. 1 shows what work has been put under contract with my approval, giving the length, in miles and rods, of each portion of road or ditch, and the bridges so contracted since January 1st, 1869, with the contract price of each.

Table No. 2 shows in detail what work on each road has been completed, accepted, and fully approved; and also, in a separate column, the amount which has been allowed and paid upon estimates of work that has been reported or accepted by Local Commissioners, but which has not yet been fully approved by me.

Table No. 3 is arranged with the view of showing, comparatively, how the several counties have shared in the appropriations of swamp lands for roads, ditches, and other similar improvements.

Most of these roads and improvements lie in two or more counties; some of them are not yet surveyed or definitely located, so that only an *estimate* of their length can now be had. Others were only to be repaired under special acts.

Again, it is true that some portions of every road are much more expensive than others to build, of which no separate account was ever kept by counties; and in some cases where a road extended through several counties, and received a section of land per mile for the entire length, a portion only has been built, while the whole appropriation for the road has been used.

These things have so complicated the matter, that it is impossible to show exactly the amount that has been, or yet may be used in each of the several counties; but I believe the exhibit made by this table is sufficiently accurate for practical purposes.

Table No. 4 shows, by counties, where lands have been appropriated for roads, ditches, and bridges; also, the amount of the original grant lying in said counties, and about the amount in each that would be left after deducting, *pro rata*, the lands that have been absorbed for general purposes, or such as are not included in Table No. 3. The fourth column also shows the amount expended or now under contract in each county; and the fifth column gives the amount not under contract. It will be observed that in twenty-nine of these counties more lands have been appropriated than would be left in them after the general appropriations are deducted, as in column number two, and in several cases this excess is very large indeed.

For an explanation of what I have termed *general appropriations*, I refer to a balance sheet following the tables.

Table No. 5 gives an alphabetical list of the swamp land State roads, etc., with the amount of appropriation for each stated in dollars (reckoning the land at \$1.25 per acre), the entire amount paid on each to January 1st, 1871, the amount yet unexpended, and also the amount overpaid on any.

Table No. 6 shows on what roads and ditches contracts are yet outstanding, the distance covered by such contracts, the entire amount for which they were drawn, in dollars, the amount already paid, and the amount yet to be paid upon such contracts.

The minimum price of one dollar and twenty-five cents per acre for land has been the basis for the calculations in making up the tables and the balance sheet herewith. This sheet is designed to show at a glance what is about the present condition of the Swamp Land Fund. It will be seen there is but a remnant of the lands left untouched by existing acts of appropriation. From extensive personal knowledge, and information gathered from many reliable sources, I am very certain that the balance here shown is even less than the amount of lands that are absolutely worthless, and must remain so for a long time. Indeed, there must be many of these swamp lands that never will be valuable, and therefore cannot be depended upon to meet any appropriations. Hence, I am driven to the conclusion that the State cannot safely dispose of any more of these lands, either by further appropriations, or for homesteads on license, or one-fourth pay. I believe the best interests of the State, and justice to many portions of her unsettled domain, require the repeal of some of the existing laws which appropriate lands for roads not yet built in counties that have already had more than their just share of these lands.

#### SETTLERS, HOMESTEADS, ETC.

By reference to the reports of the Commissioner of the State Land Office, from the time the Homestead Acts first took effect until December 1st, 1870, it will be found that 290,934.33 acres have been licensed for homesteads; and yet the tabular statement in said Commissioner's report, just issued, shows that only 61,663.70 acres had been patented as homesteads up to December 1st, 1870, and but 97,925.65 acres remained licensed at that date, or a total of only 159,589.35 acres, which, deducted from the amount that have been licensed, leaves no less than 131,344.98 acres that have already reverted to the State on "proof of non-settlement or abandonment;" and there can be no doubt that still quite a large amount of that now standing on licenses will revert in the

same manner, proving conclusively that more than half of all the lands licensed for homesteads will not be settled as such.

It is also true that a large amount that has been sold for one-fourth pay down has been forfeited to the State for "non-payment of interest." I am therefore obliged to repeat what I said in my former report: "From extensive observation, and information gathered from reliable sources, I am satisfied that a very large majority of the lands taken under these laws are *not* for actual settlement, but to be stripped of valuable timber, a practice very general in many parts of the State, and carried on by irresponsible parties."

I still have no doubt that the poor, *honest* man, who wishes to obtain a home, can more easily pay \$1.25 per acre for land on the line, or in the near vicinity of a good road, and better secure a home, than to have his land for nothing, remote from road communications and from the settlements where there would be a demand for his labor. In my opinion, no one thing is so absolutely necessary for the successful development of a State, and the reclamation and settlement of her unoccupied territory, as public roads. The early history of Michigan abundantly proves this, in the fact that the settlements followed the old "Territorial roads" entirely across the State, and even yet are these belts of civilization quite observable. I think there can be no doubt that the economical building of public highways and thoroughfares secures the settlement and the consequent "reclamation" of a country more rapidly and better than can be done in any other way.

I therefore believe it my duty to recommend the repeal of all existing laws (including the Homestead and quarter-pay acts) which in any direct or indirect way divert these lands from the real object stated by Congress for making the original grant.

The tables herewith make it evident that, in the Lower Peninsula, this grant is very nearly exhausted, or anticipated by existing acts of appropriation, and I think everyone will

see, on reflection, that the utmost care must be taken in closing out these swamp lands.

By act of Congress, September 4, 1841, the United States gave 500,000 acres of land to this State for "internal improvements,"—less than one-sixth as much land as there were of swamp lands in this Peninsula,—and yet that was so loosely closed up as to leave the unpleasant "Beard Claim" as a legacy for us and those who are to come after us. To prevent a multiplication of similar claims, and to secure the most economical closing up of this munificent swamp-land grant, I recommend that the entire balance of the grant not already expended be put into the hands of the Board of Control for Swamp Lands, consisting as it does of the Governor, State Treasurer, Secretary of State, Auditor General, Attorney General, and Commissioner of the State Land Office, and that said Board be authorized to use whatever balance they may find remaining of said fund, in building State roads and ditches, as to them may, on careful investigation, appear most fully to secure the interests of the State and do justice to all her people.

#### CONTRACTS, ETC.

I have endeavored not to put work under contract faster than I deemed the probable demand for lands would warrant, with the view of keeping "scrip" (as it is termed) up to such a value that men could afford to build such roads as their contracts required,—roads that would be of service when built. But the great scarcity of money has operated to prevent investments in lands almost entirely for the last several months, while the work of the whole season mostly matures in October and November, and these two reasons combined have greatly depressed the price of "scrip," for which there is at present only a light demand. I think most of the roads that should be built under existing laws may be completed during the next two years, if the seasons should prove favorable for such work.

## TRESPASSES ON SWAMP LANDS

have been decidedly less since my last report than prior to that time, and I am confident that these lawless and wanton depredations upon the public lands may be almost entirely prevented by the prompt and vigilant attention of such public officers as may be charged with the duty of enforcing the laws applicable to the case, and which I think fully adequate. In most cases the men who trespass upon State lands belong to a shrewd and slippery class, who endeavor to cover their tracks, if possible, to escape detection; hence, the expense of following up the matter to a final settlement is comparatively large. Since my last report I have collected \$2,164 from trespassers, in doing which I have paid out \$1,557.80, leaving a net balance of \$606.20, which I have paid into the State Treasury. An item statement of receipts and expenditures, with accompanying vouchers, has been furnished to the Board of State Auditors on settlement.

All of which is most respectfully submitted.

LORENZO B. CURTIS,  
*Commissioner.*





TABLE I.—Showing on what Roads and Ditches Contracts have been Approved since January 1st, 1869, to January 1st, 1871, with Distance and Amount for each.

NAME OF ROAD, ETC.	LENGTH.		No. of Bridges.	Amount.	REMARKS.
	Miles.	Rods.			
Allegan, Muskegon, and Traverse Bay.....	87	128	.....	\$88,120 00	
Alma and Clinton.....	19		.....	19,780 00	
Allegan and Lake Shore.....	19		.....	22,800 00	
Bridgeton and Osceola.....	9		.....	6,750 00	
Cass River and Bay City.....	21	110	.....	86,986 25	
Crawford's Quarry.....	6	251	.....	5,428 00	
Cass River and Wild Fowl Bay.....	19		.....	25,583 40	
Clio and Chesaning.....	10	260	.....	1,660 00	
Cottonwood Swamp.....	3	56	.....	4,150 00	
Duncan, Alpena, and Sauble.....	31		.....	89,600 00	
Duncan, Alpena, and Sauble Extension.....	16		.....	12,395 00	
East Saginaw and Sauble River.....	1		.....	900 00	
East Saginaw and Sauble River, Repaired.....	68		.....	14,100 00	
East Saginaw and Junction.....	2	160	.....	2,000 00	
Hastings and Lowell (Figure "8" Hill).....			.....	685 00	
Ionla, Houghton Lake, and Mackinac.....	55		.....	60,600 00	

Manistee and Leland.....	56 368	.....	56,809 98
Midland, Houghton Lake, and Traverse Bay.....	1	Two.	4,250 00
Midland and Isabella.....	8	.....	2,897 50
Muskegon and Cedar Springs.....	7 240	.....	14,751 25
Montcalm and Gratiot.....	2	.....	8,650 00
Newaygo and Northport.....	8	.....	2,400 00
Port Austin and Unionville.....	2 310	.....	8,125 00
Port Hope and Wild Fowl Bay.....	7 160	.....	8,000 00
Sanilac and Bay.....	17 240	.....	15,350 50
Sanilac and Huron.....	8 160	.....	8,075 00
Saginaw, Gratiot, and Newaygo.....	14	.....	17,500 00
Saugatuck and Overisel.....	8	.....	6,400 00
Tuscola and Saginaw Bay.....	1	.....	1,400 00
White Lake and Big Rapids.....	20	.....	82,000 00
White Rock and Bingham.....	2	.....	2,400 00
	476 98	Two.	\$465,475 58

TABLE I—Continued.

## DITCHES.

NAME OF ROAD, ETC.	LENGTH.		No. of Bridges.	Amount.	REMARKS.
	Miles.	Rods.			
Antrim Ditch.....	125			\$480 56	
Akron Ditch.....	2			2,824 10	
Ripley Ditch.....	5	114		5,200 00	
	7	239		\$7,954 66	
UPPER PENINSULA.					
L' Anse Bay and State Line.....	29			\$46,788 94	
Mineral Range.....	8			12,600 00	
Ontonagon and Montreal River.....	30			44,000 00	23 1/4 miles canceled.
Wisconsin and Lake Superior Extension.....	14	36		22,680 00	
	81	36		\$126,013 94	

TABLE 11.—Showing by Roads, etc., what Work has been Accepted and fully Approved. Also, what has been Partially Approved, on which Estimates have been Allowed.

NAME OF ROAD, ETC.	FULLY ACCEPTED AND APPROVED.			ESTIMATES FOR PART PAY.			Total payments.	
	LENGTH.		Amount.	Survey, Advertising, and Local Commissioner's salary.	LENGTH.			Amount.
	Miles.	Rods.			Miles.	Rods.		
Allegan, Muskegon, and Traverse Bay.....	27	240	\$25,400 00	\$123 00	28	5	\$18,450 00	\$43,973 00
Almont and Cass River.....				88 00				88 00
Alma and Clinton.....	26	30	27,667 48	8 50	1	160	1,625 00	81,795 93
Alma and Clinton Bridge.....			2,500 00					
Bridgeton and Osceola.....	9		6,750 00					6,750 00
Big Rapids and Grand Rapids.....	4		2,000 00					2,000 00
Berlin and Georgetown.....	9	30	8,540 60					8,540 60
Capac and Clyde.....		12	80 00					80 00
Capac and Clyde Extension.....				295 00	5		3,800 00	4,025 00
Cass River and Bay City.....	19	204	15,886 87	49 75	12	280	18,000 00	38,886 62
Cass River and Wild Fowl Bay.....					1	160	1,570 00	1,570 00
Chlo and Cheesaning.....	18	288	8,415 00	173 10				8,588 10
Cottonwood Swamp Ditch and Road.....		130	280 00	2 10	1	176	2,000 00	2,282 10



Lapeer and Tuscola.....	5 192	2,090 00	3 88	4 80	8,840 00	6,828 88
Lexington and Flint River.....	2	8,017 50				8,017 50
Manistee and Leland.....	80 247	28,489 14	1,450 18	21 160	19,260 00	49,189 82
Midland, Houghton Lake, and Traverse Bay.....	72 100	118,604 15				187,068 50
Midland, Houghton Lake, and Traverse Bay Bridge.....		1,250 00		23	22,229 35	
Midland and Isabella.....	2	1,600 00		Bridge	875 00	2,475 00
Muskegon and Cedar Springs.....	5	4,681 61	62 00	7 240	10,400 00	15,098 61
Montcalm and Gratiot.....	12	20,875 00				
Montcalm and Gratiot Bridge.....		500 00	198 50			21,068 50
Newaygo and Northport.....	15 184	11,639 50	494 00			12,133 50
New Haven and Fairfield.....	4 160	8,600 00				8,600 00
Ovid and St. Charles.....	160	520 00		9 186	7,150 00	7,670 00
Port Austin and Sanilac.....	18 160	22,000 00	38 00			22,088 00
Port Austin and Unionville.....	2 290	8,125 00				8,125 00
Port Hope and Wild Fowl Bay.....			7 00			7 00
Port Huron, Bay City, and Lansing.....	15 240	14,620 90	117 00	160	640 00	15,377 90
Port Sanilac and Tuscola.....	240	1,600 00				1,600 00
Sanilac and Bay.....	10	7,995 25		6 160	5,514 00	18,509 25
Sanilac and Huron.....	11 200	9,800 00	868 25	17 160	15,820 00	24,988 25
Saginaw and Gratiot.....	8	6,125 00				6,125 00
Saginaw, Gratiot, and Newaygo.....	9	18,500 00	7 00			18,507 00
Naugatuck and Overisel.....			16 05			16 05

TABLE II—Continued.

NAME OF ROAD, ETC.	FULLY ACCEPTED AND APPROVED.			ESTIMATES FOR PART PAY.			Total Payments.
	LENGTH.		Amount.	LENGTH.		Amount.	
	Miles.	Rods.		Miles.	Rods.		
St. Louis and Pine River.....	1		\$378 82				\$378 82
Tuscola and Saginaw Bay.....				1		\$1,280 00	1,280 00
Vienna and State Line.....	4	147	2,500 00				2,537 00
White Lake and Big Rapids.....	20		82,000 00				82,262 20
White Rock and Bingham.....				2		1,900 00	1,900 00
Antrim Ditch.....	2	160	2,500 00				2,500 00
Akron Ditch.....	5	68	4,145 00				4,145 00
Black River Ditch.....		160	600 00				600 00
Elk Creek Ditch.....							68 00
Rogue River Improvement.....	10		8,750 00				8,750 00
	810	340	\$488,850 81	194	117	\$197,064 85	\$685,430 56

UPPER PENINSULA.

Bay De Noc and Green Bay.....	5	76	\$8,980 40	14	\$19,500 00	\$27,980 40
L' Anse Bay and State Line.....	4		6,400 00			6,400 00
Mackinac and Delta (branch to Point Detroit).....				\$3 50		3 50
Mineral Range.....	16		23,539 37	128 40		23,667 77
Ontonagon and Montreal River.....	6	160	9,538 83	2,713 64		12,251 97
St. Mary's River and Mackinac.....	10		16,000 00	67 55		16,067 55
Wisconsin and Lake Superior.....	30		47,400 00			47,400 00
Wisconsin and Lake Superior Extension.....	6	140	10,340 00	2 25	6,140 00	16,482 25
	79	56	\$128,613 10	\$2,920 84	\$25,640 00	\$152,173 44



TABLE III—Showing by Counties the Roads, etc., in each County, with the Length, and the Amount (very nearly) appropriated to each.

NAME OF ROAD, ETC.	LENGTH.		Acres.	100ths.	CONDITION.
	Miles.	Rods.			
ALCONA COUNTY.					
Duncan, Alpena, and Sanble Road.....	26		19,640		Under contract—nearly done.
ALLEGAN COUNTY.					
Allegan, Muskegon, and Traverse Bay Road.....	28		17,920	{	Built.
Bridge over Kalamazoo River.....			1,280		
Allegan and Lake Shore Road.....	20		19,200		Under contract—part done.
Saugatuck and Overisel Road.....	8		5,120		Under contract—nearly done.
ALPENA COUNTY.					
Duncan, Alpena, and Sanble Road.....	56		43,520		Under contract—nearly done.
ANTRIM COUNTY.					
Emmet and Grand Traverse Road.....	23		84,440		Built.

<b>BARRY COUNTY.</b>					One bill graded for 508 acres: balance not contracted.
Hastings and Lowell Road.....	10	1,740			
<b>BAY COUNTY.</b>					
Sanilac and Bay Road.....	2 28	1,326			Built.
Cass River and Bay City Road.....	9	19,080			Built.
Port Huron, Bay City, and Lansing Road.....	22	23,040			Built.
East Saginaw and Sanble Road.....	59 160	67,900			{
East Saginaw and Sanble (An Gros Swamp) Road—appropriation by Board of Control	.....	6,000			
Ditch—appropriation by Board of Control.....	4 9	5,908			Built.
<b>BENZIE COUNTY.</b>					
Allegan, Muskegon, and Traverse Bay Road.....	96 192	120,954			Under contract—nearly done.
Manistee and Leeland Road.....	26	17,930			Under contract—nearly done.
<b>CASS COUNTY.</b>					
Downglac Swamp Road.....	54	34,560			Built.
<b>CHARLEVOIX COUNTY.</b>					
Emmet and Grand Traverse Road.....	5	3,200			Built.
<b>CHARLEVOIX COUNTY.</b>					
Emmet and Grand Traverse Road.....	17	10,860			Built.
Ionia, Houghton Lake, and Mackinac Road.....	6 160	4,160			Only surveyed.
	28 160	15,040			

TABLE III—Continued.

NAME OF ROAD, ETC.	LENGTH.		Acres.	100ths.	CONDITION.
	Miles.	Rods.			
CHEBOYGAN COUNTY.					
Duncan, Alpena, and Sauble Road.....	18		22,000		Under contract—mostly done.
Duncan, Alpena, and Sauble Extension.....	17		10,580		Under contract—mostly done.
Ionla, Houghton Lake, and Mackinac Road.....	24		15,360		Only surveyed.
	59		48,240		
CLARE COUNTY.					
Midland, Houghton Lake, and Traverse Bay Road.....	2		2,560		Under contract—nearly done.
Ionla, Houghton Lake, and Mackinac Road.....	25		16,000		Under contract—recently.
	27		18,560		
CLINTON COUNTY.					
Alma and Clinton Road.....	1	160	960		Built.
Greenbush and Gratiot Road.....	1	240	1,120		Built.
Ingham and Clinton Road.....	2	160	2,188		Built.
Ovid and St. Charles Road.....	8		5,120		Built.

Port Huron, Bay City, and Lansing Road.....	10	7,800 }	Built.
Port Huron, Bay City, and Lansing Road.....	16	10,940 }	Only surveyed—land all used on other parts of the road.
Ditch in town of Greenbush.....		1,806 }	Built.
CRAWFORD COUNTY.			
Ionia, Houghton Lake, and Mackinac Road.....	80 940	98,289	Only surveyed.
EATON COUNTY.			
Ionia and Vermontville Road.....	10	6,400	Built.
Branch Road in Eaton and Barry Counties.....	6 94	4,028	Only surveyed.
EMMET COUNTY.			
Emmet and Grand Traverse Road.....	16 84	10,425	Built.
Mackinac and Little Traverse Road.....	17	10,540	Built.
Mackinac and Little Traverse Road (estimated).....	15 123	9,846 }	Built.
Ionia, Houghton Lake, and Mackinac Road.....	20	12,500 }	Not surveyed.
	14	8,960	Only surveyed
GENESEE COUNTY.			
Olio and Chesaning Road.....	66 128	42,456	Built.
Genesee County Ditch.....	9 160	3,700	Built.
	2 160	2,000	Built.
	19	5,700	

TABLE III—Continued.

NAME OF ROAD, ETC.	LENGTH.		Acres.	100ths.	CONDITION.
	Miles.	Rods.			
GRAND TRAVERSE COUNTY.					
Allegan, Muskegon, and Traverse Bay Road.....	10		6,400		Built.
Emmet and Grand Traverse Road.....	14		8,900		Built.
Newaygo and Northport Road.....	20	46	12,892		Built.
Midland, Houghton Lake, and Traverse Bay Road.....	22		26,100		Built.
	66	46	56,412		
GRATIOT COUNTY.					
Alma and Clinton Road.....	27		17,250		Built.
Greenbush and Gratiot Road (and Bridge).....	7	240	8,160		Built.
Greenbush and Gratiot Road.....	5				Land all used on balance of road, and more, too.
Ithaca and Alma Road.....	8	160	5,440		4½ miles built—8,273 acres used—balance free.
Ithaca and St. Charles Road.....	18		4,160		Built.
Montcalm and Gratiot Road.....	15	150	11,830		Built.
Ovid and St. Charles Road.....	12	160	9,000		Under contract—nearly done.
Port Huron, Bay City, and Lansing Road.....	27		17,980		Built.
Saginaw and Gratiot Road.....	18	107	9,564		Built.

Saginaw, Gratiot, and Nowago Road.....	9	5,160	Built.
St. Louis and Pine River Road.....	8	8,900	Built.
Ditch from Maple River to Bad River.....	8	4,000	Built.
<b>GLADWIN COUNTY.</b>			
Midland, Houghton Lake, and Traverse Bay Road.....	147 177	98,664	
	26	33,390	Under contract—part done.
<b>HURON COUNTY.</b>			
Cass River and Wild Fowl Bay Road.....	16	20,500	Under contract—recently.
Huron City and Bad Ax Road.....	23 68	14,314	Under contract—nearly done.
Port Austin and Sanilac Road.....	37	34,560	Built.
Port Austin and Unionville Road.....	2 289	9,600	Built.
Port Austin and Unionville Road (estimated).....	38	20,378	Not surveyed.
Port Hope and Wild Fowl Bay Road.....	7 160	6,400	Under contract.
Port Hope and Wild Fowl Bay Road.....	29 100	17,290	Only surveyed.
Sand Beach and Bay City Road.....	49	81,360	Built.
Sanilac and Huron Road.....	36	23,040	Under contract—nearly done.
Sanilac and Bay Road.....	9 160	1,600	Under contract—nearly done.
German Christian, Agricultural, and Benevolent Society.....		4,008 64	Given as homesteads, etc., for ditching done.
White Rock and Bingham Road.....	11	12,007	Under contract—nearly done.
White Rock and Bingham Road.....	19	6,593	Not surveyed.

TABLE III—Continued.

NAME OF ROAD, ETC.,	LENGTH.		Acres.	Rods.	CONDITION.
	Miles.	Rods.			
River Du Fill Improvement.....	.....	.....	8,900	.....	Built.
INGHAM COUNTY.					
Ingham and Clinton Road.....	2 150	.....	2,027	.....	Built.
Township of Delhi, Act 511, of 1867.....	.....	.....	400	.....	Built.
Township of Aurelius, for ditches (Board of Control).....	.....	.....	2,000	.....	Only surveyed, at a cost of 468.80 acres.
IONIA COUNTY.					
Ionla and Vermontville Road.....	5	.....	5,120	.....	Built.
Ionla and Vermontville Road.....	5	.....	.....	.....	No lands appropriated.
Ionla and Smyrna Road (for repairs).....	15	.....	2,560	.....	Completed.
Ionla, Houghton Lake, and Mackinac Road.....	9 160	.....	6,060	.....	Built.
Ionla, Houghton Lake, and Mackinac Road.....	.....	.....	1,988	.....	For repairs—completed.
Montcalm and Gratiot Road.....	2	.....	1,980	.....	Built.
	43 160	.....	16,898	.....	

IOOSCO COUNTY.

Duncan, Alpena, and Sauble Road.....	7	4,150 }	Built.
Bridge.....		5,120 }	
East Saginaw and Sauble Road.....	22	16,500	Built.

ISABELLA COUNTY.

Midland and Isabella Road.....	9	5,700	Built.
Alma and Clinton Road.....	31 160	20,100	Contracted—nearly done.
Ionia, Houghton Lake, and Mackinac Road.....	26	18,240	Contracted—nearly done.

JACKSON COUNTY.

Portage River Road—since changed to a ditch.....	68 160	44,100	Built.
--	--------	--------	--------

KENT COUNTY.

Hastings and Lowell Road.....	13	2,260	Only surveyed.
Big Rapids and Grand Rapids Road.....	14	8,900	Built.
Englebrille and Croton Road.....	17	10,550	Built.
Newaygo and Northport Road.....	12 184	7,948	Built.
Muskegon and Cedar Springs Road.....	13	8,320	Built.
Rogue River Improvement.....	7	2,850	Built.
	76 134	40,718	



TABLE III—Continued.

NAME OF ROAD, ETC.	LENGTH.		Acres.	100ths.	CONDITION.
	Miles.	Rods.			
KALKASKA COUNTY.					
Midland, Houghton Lake, and Traverse Bay Road.....	6		7,680		Built.
LAKE COUNTY.					
Newaygo and Northport Road.....	24		15,860		Built.
Newaygo and Dayton Extension.....	4	160	2,880		Nothing done.
	28	160	19,240		
LAPEER COUNTY.					
Almont and Cass River Road.....	27	160	20,408		Built.
Capac and Clyde Extension.....	2	160	2,000		Contracted—nearly done.
Lapeer and Tuscola Road.....	19	212	12,554		Contracted—nearly done.
Lexington and Flint River Road.....	28		17,990		Built.
Port Huron, Bay City, and Lansing Road.....	9		5,760		Built.
Inlay and Mussey Ditches.....	4	240	1,058		Built.
Belle River Improvement.....	.....	.....	1,290		Find no evidence of anything done.
	91	183	61,010		

LEELANAW COUNTY.

Manistee and Leeland Road.....  
Newaygo and Northport Road.....

Contracted—nearly done.  
Only surveyed—land all used  
in other counties.

21 240  
27

20,820  
17,280

LENAWEE COUNTY.

Cottonwood Swamp Road.....  
Cottonwood Swamp Road.....

Contracted—nearly done.  
Not contracted.

7

8,820 }  
1,160 }

MANISTEE COUNTY.

Allegan, Muskegon, and Traverse Bay Road.....  
Manistee and Leeland Road.....  
Manistee and Leeland Road.....

Contracted—partly built.  
9 miles contracted  
12 miles not contracted.

27  
20

17,250  
7,650 }  
5,120 }

MASON COUNTY.

Allegan, Muskegon, and Traverse Bay Road.....  
Bridge over Pere Marquette Lake.....  
Lake Shore Road.....  
Newaygo and Dayton Extension.....

Contracted—small part built.  
Built.  
Nothing done—Special Act.  
Nothing done.

29

19,560 }  
5,120 }

26

1,920

4 160

2,680

59 160

28,480

TABLE III—Continued.

NAME OF ROAD, ETC.	LENGTH.		Acres.	100ths.	CONDITION.
	Miles.	Rods.			
MECOSTA COUNTY.					
Improvement of Flat River.....	3		1,500		Nothing done.
Bridgton and Oceola Road.....	14		8,960		Contracted—little done—balance of contract canceled.
Big Rapids and Grand Rapids Road.....	15		11,020		Built.
Greenville and Big Rapids Road.....	21		18,440		Built.
Alma and Clinton Road.....	24	292	15,924		Contracted—part built.
White Lake and Big Rapids Road.....	4		5,120		Built.
Ionla, Houghton Lake, and Mackinac Road.....	3		1,920		Built.
Road from Mecosta to Oceana County Seat.....	6		250		Special Act.
	98	292		68,584	
MIDLAND COUNTY					
Midland and Isabella Road.....	13	9	11,598		Contracted—nearly done.
Port Huron, Bay City, and Lansing Road.....	28		17,260		Built.
Midland, Houghton Lake, and Traverse Bay Road.....	20		25,000		Contracted—nearly done.
	61	9		54,413	

MISSAUKEE COUNTY.

Midland, Houghton Lake, and Traverse Bay Road.....

Ionla, Houghton Lake, and Mackinac Road.....

MONROE COUNTY.

Cottonwood Swamp Road.....

Vienna and State Line Road.....

Summerfield and State Line Road.....

Ash and Frenchtown Road.....

Ditch (see Act 802, of 1865).....

MONTCALM COUNTY.

Improvement of Flat River.....

Montcalm and Gratiot Road.....

Greenville and Bloomer Road.....

Greenville and Big Rapids Road.....

Big Rapids and Grand Rapids Road.....

Ionla, Houghton Lake, and Mackinac Road.....

Saginaw, Gratiot, and Newaygo Road.....

23	160	80,000	Built.
18		8,820	Contracted—recently.
86	160	88,400	
1		640	Contracted—nearly done.
5		2,000	Built.
13		2,000	Built.
12		2,000	Nothing done.
		3,000	Lands selected—nothing more done.
86		9,640	
3		1,500	Nothing done.
6		3,840	Built.
21		1,920	Built—Special Act.
21	265	13,976	Built.
6		3,840	Built.
24	160	50,792	Built.
88		94,820	Contracted and part done.
150	108	70,158	

TABLE III—Continued.

NAME OF ROAD, ETC.	LENGTH.		ACRES.	100ths.	CONDITION.
	Miles.	Rods.			
MUSKEGON COUNTY.					
Allegan, Muskegon, and Traverse Bay Road.....	26		16,640		Built.
Bridges on the same.....	..		28,800		
Ferrysburgh and Black River Road.....	6		1,920		Built.
Grand Rapids and Muskegon Road.....	6		1,920		Built.
Newaygo and Northport Road.....	5		1,920		Built.
Muskegon and Cedar Springs Road.....	23		11,720		Contracted—nearly done.
White Lake and Big Rapids Road.....	7		2,120		Not surveyed.
Nunica and Muskegon Road.....	13		5,820		Not surveyed.
Lake Shore Road.....	17		1,440		Special Act.
Muskegon Flats Improvement.....	.....		11,131		Joint Res. No. 8, of 1904.
NEWAYGO COUNTY.					
Englishville and Croton Road.....	11		7,040		Built.
Big Rapids and Grand Rapids Road.....	7		4,460		Built.
Bridgeton and Osceola Road.....	23		21,120		Built.

Newaygo and Northport Road.....	41	24,210	Built.
Newaygo and Dayton Road.....	84 100	22,060	Built.
Bridge over Muskegon River.....	.....	3,840	Built—Special Act.
White Lake and Big Rapids Road.....	16	20,450 {	Built.
White Lake and Big Rapids Road.....	11	4,240 }	Not contracted.
Saginaw, Gratiot, and Newaygo Road.....	13	5,820	Not surveyed.
Rogue River Improvement.....	2	650	Done.
Pentwater and Newaygo Road.....	2 100	600	Probably done—Special Act.
Road from Mecosta to Oceana County Seat.....	29	1,200	Probably done—Special Act.
	208	120,830	
OCEANA COUNTY.			
Allegan, Muskegon, and Traverse Bay Road.....	26	16,640	Built.
Newaygo and Dayton Road.....	2 100	1,600	Built.
Road from Mecosta to Oceana County Seat.....	24	1,020	Probably built—Special Act.
Pentwater and Newaygo Road.....	31	7,400	Probably built—Special Act.
Lake Shore Road.....	28	1,920	Special Act.
White Lake and Big Rapids Road.....	13	3,940	Nothing done
	194 100	32,560	
	4 100	2,700	Only surveyed.
OSCEOLA COUNTY.			
Bridgeton and Osceola Road.....			

TABLE III—Continued.

NAME OF ROAD, ETC.	LENGTH.		Acres.	100lbs.	CONDITION.
	Miles.	Rods.			
OTTAWA COUNTY.					
Allegan, Muskegon, and Traverse Bay Road.....	26		16,640	{	Built.
Allegan and Muskegon, and Traverse Bay (bridge, and two marshes).....			7,040		
Berlin and Georgetown Road.....	20	160	13,120		Built.
Newaygo and Northport Road.....	3		1,920		Built.
Black Lake Harbor.....			11,225	70	Built—Special Act.
Ferryburgh and Black River Road.....	2		640		Built—Special Act.
Grand Rapids and Muskegon Road.....	9		1,920		Built—Special Act.
Nunica and Muskegon Road.....	5		3,200		Not surveyed.
	65	160	55,708	70	
OTSEGO COUNTY.					
Ionia, Houghton Lake, and Mackinac Road.....	24		15,360		Only surveyed.
PRESQUE ISLE COUNTY.					
Duncan, Alpena, and Sable Road.....	44		34,600		Contracted—nearly done.
Crawford's Quarry Road.....	6	252	4,344		Contracted.
	50	252	88,344		

ROSCOMMON COUNTY.

Midland, Houghton Lake, and Traverse Bay Road.....	21	26,680	Contracted—nearly done
Ionla, Houghton Lake, and Mackinac Road.....	18	8,320	Old survey abandoned—new one not made.

SAGINAW COUNTY.

Clio and Cheseaning Road.....	34	35,900	
East Saginaw and Junction Road.....	9	3,540	Built.
East Saginaw and Sanble Road.....	11 160	7,860	Built.
Ithaca and St. Charles Road.....	12	7,680	Built.
Port Huron, Bay City, and Lansing Road.....	12	3,540	Built.
Port Sanilac and Tuscola Road.....	9	5,760	Built.
Saginaw City and Owosso Road.....	10 166	6,783	Built.
Saginaw and Gratiot Road.....	26 160	16,960	Built.
Mishtegay Ditch—authorized by Board of Control.....	21	13,440	Built.
	5	4,406	Built.
	116 166	69,718	

SANILAC COUNTY.

Port Austin and Sanilac Road.....	37	28,680	Built.
Port Sanilac and Tuscola Road.....	29	18,560	Built.
Lexington and Flint River Road.....	24	15,860	Built.
Sanilac and Huron Road.....	36	28,040	Built.
Port Huron, Bay City, and Lansing Road.....	20	12,800	Built—except bridge nearly done.
Sanilac and Bay Road.....	23	17,920	Contracted—nearly done.



TABLE III—Continued.

NAME OF ROAD, ETC.	LENGTH.		Acres.	100ths.	CONDITION.
	Miles.	Rods.			
SHIAWASSEE COUNTY.					
Black River Ditch.....	6		3,840		Built.
Elk Creek Ditch.....	12		15,608	60	Built.
Ripley Ditch.....	12		18,120		Contracted—nearly done.
Almont and Cass River Road.....	10 1/2		9,520		Built.
Almont and Cass River Road.....	5 1/2				No lands left.
	219		158,448	60	
SHIAWASSEE COUNTY.					
New Haven and Fairfield Road.....	6	160	4,160		Built.
Saginaw City and Owosso Road.....	9		5,760		Built.
Road in town of Shiawassee.....	20		240		Built—bal. of act repealed.
Antrim Ditch.....	2	160	2,000		Built.
	18	80	12,160		
ST. CLAIR COUNTY.					
Port Austin and Sanilac Road.....	10		6,400		Built.
Port Huron, Bay City, and Lansing Road.....	20		12,800		Built.
Capeac and Clyde Road.....	17	132	12,144		Built.

Capac and Clyde Extension.....	4	8,120	Contracted—nearly done.
Imley and Mussey Ditch.....	3	444	Built.
Mussey Ditch.....	5	8,000	Built.
	68 152	87,908	
TUSCOLA COUNTY.			
Almont and Cass River Road.....	8 160	8,992	Not built—land all used for their south.
Sand Beach and Bay City Road.....	14 80	9,120	Built.
Port Sanilac and Tuscola Road.....	82	20,480	Built.
Port Huron, Bay City, and Lansing Road.....	25	16,000	Built.
Genesee and Tuscola Road.....	9	5,760	Built.
Sanilac and Bay Road.....	3	1,920	Contracted—nearly done.
Cass River and Bay City Road.....	33	24,960	Contracted—nearly done.
Tuscola and Saginaw Bay Road.....	26	24,828 }	Part built.
Tuscola and Saginaw Bay Road—for ditch—Board of Control.....		1,487 }	
Lapeer and Tuscola Road.....	19 160	12,480	Contracted—partly built.
Cass River and Wild Fowl Bay Road.....	9 170	6,100	One mile contracted.
Akron Ditch.....	8	5,120	Mostly built.
Geneva and Saginaw Bay Ditch.....	5	8,200	Nothing done.
	193 250	184,893	
VAN BUREN COUNTY.			
Alleghen, Muskegon, and Traverse Bay Road.....	14	11,580	Built.

TABLE III—Continued.

NAME OF ROAD ETC.,	LENGTH.		Acres.	100ths.	CONDITION.
	Miles.	Rods.			
WEXFORD COUNTY.					
Newaygo and Northport Road.....	25		16,000		Built.
UPPER PENINSULA.					
CHIPPEWA COUNTY.					
St. Mary's River and Mackinac Road .....	25	224	82,396		Surveyed—part built.
St. Mary's and Grand Island Road.....	85		108,900		Nothing done.
	110	224	141,696		
DELTA COUNTY.					
Bay De Noc and Green Bay Road .....	88	200	43,040		Surveyed—19 miles built.
Mackinac and Delta Road—estimated.....	57		47,360		Nothing done.
Mackinac and Delta Road—branch to Point Detour.....	19	68	24,572		Surveyed.
	69	268	114,972		
HOUGHTON COUNTY.					
Keweenaw Bay Road.....	27		24,560		Nothing done.

L' Anse Bay and State Line Road.....	81	67	80,048	Contracted—part built.
L' Anse Bay and State Line Road.....	22	188	28,002	Surveyed.
Mineral Range Road.....	40		51,200	Surveyed—part built.
Portage River and Torch Lake Road—estimated.....	14		8,960	Nothing done.
Wilona and Franklin—estimated.....	7		8,400	Nothing done.
<b>KEWEENAW COUNTY.</b>				
Mineral Range Road.....	141	200	172,390	
	35		44,500	Surveyed—part built.
<b>MACKINAC COUNTY.</b>				
St. Mary's River and Mackinac Road.....	29	96	87,504	Surveyed—part built.
Mackinac and Delta Road—estimated.....	70		90,628	Nothing done.
	99	96	128,132	
<b>MARQUETTE COUNTY.</b>				
Marquette and Mineral Range Road.....	12		19,200	Surveyed—part built.
Keweenaw Bay Road.....	25		82,000	Built.
Chocoma and Negaunee Road.....	18		16,640	Nothing done.
L' Anse Bay and State Line Road.....	80	120	38,860	Surveyed.
Wisconsin and Lake Superior Road.....	87		47,860	Nothing done.
Wisconsin and Lake Superior Road.....	14	36	18,064	Contracted—part built.
Jahperm and New England Mine Road—estimated.....	8		10,240	Nothing done.
	189	156	188,384	

TABLE III—Continued.

NAME OF ROAD, ETC.	LENGTH.		Acres.	100ths.	CONDITION.
	Miles.	Rods.			
MENOMINEE COUNTY.					
Bay De Noc and Green Bay Road.....	41	76	62,754		Built.
Wisconsin and Lake Superior Road.....	40		51,200		Contracted—part built.
Wisconsin and Lake Superior Road.....	28		85,840		Surveyed.
Deer Creek and Menominee Marble Quarry Road.....	85	160	45,440		Surveyed.
MANITOU COUNTY.					
Troy and Southport Road—estimated.....	15		19,200		Nothing done.
ONTONAGON COUNTY.					
Mineral Range Extension—estimated.....	51		65,280		Nothing done.
Ontonagon and State Line Road.....	55		70,400		Surveyed.
Ontonagon and Montreal River Road.....	61	300	79,250		Surveyed—6½ miles built.
Winona and Franklin Road.....	5		6,400		Nothing done.
	178	800	221,860		

SCHOOLCRAFT COUNTY.

St. Mary's and Grand Island Road—estimated.....	43	57,000	Nothing done.
Mackinac and Delta Road—estimated .....	83	42,340	Nothing done.
	78	99,340	

TABLE IV.  
(FOR LOWER PENINSULA ONLY.)

NAME OF COUNTY.	Amount of ori- ginal grant in these several counties.	Amount left in each after de- ducting (pro rata) the lands used for gen- eral purposes.	Am't of lands appropriated in each Co. by all existing laws.	Am't already expended, or now under contract.	Am't not un- der contract.
	Acres.	Acres.	Acres.	Acres.	Acres.
Alcona .....	122,695.43	90,055	19,640	19,640	-----
Allegan .....	88,265.76	24,244	43,520	43,520	-----
Alpena.....	249,429.89	183,187	34,440	34,440	-----
Antrim .....	17,709.18	18,002	17,920	17,920	-----
Barry.....	5,167.50	3,793	1,740	508	1,233
Bay.....	117,926.95	96,510	120,954	120,234	720
Benzie.....	18,908.57	18,871	34,560	34,560	-----
Cass.....	7,421.89	5,448	3,900	3,900	-----
Charlevoix.....	51,407.60	37,744	15,040	10,850	4,160
Cheboygan.....	154,429.91	118,385	49,240	32,880	15,860
Clare.....	77,252.62	56,720	18,560	18,560	-----
*Clinton.....	28,461.94	17,226	28,289	28,289	-----
Crawford .....	88,294.25	28,116	16,000	-----	16,000
Eaton .....	15,664.17	11,501	10,428	6,400	4,028
Emmet.....	67,958.87	49,597	42,496	20,726	21,760
Genesee.....	4,817.64	3,170	5,700	5,620	80
Grand Traverse	29,908.58	21,950	56,412	56,412	-----
Gratiot.....	51,687.00	37,912	98,684	91,467	2,167
Gladwin.....	99,915.29	78,360	88,260	33,980	-----
Huron.....	171,661.05	126,062	198,640.64	152,399.64	46,251
Ingham.....	16,699.02	12,261	4,427	3,006.12	1,420.83
Ionia.....	11,785.01	8,658	16,828	16,828	-----
Iosco.....	68,907.28	50,592	26,460	26,460	-----
Isabella.....	52,971.76	38,892	44,160	44,160	-----
Jackson .....	5,001.45	2,673	5,040	5,040	-----
Kent.....	15,104.96	11,090	40,718	38,458	2,260
Kalkaska.....	49,588.71	31,968	7,690	7,660	-----

TABLE IV—CONTINUED.

NAME OF COUNTY.	Am't of origi- nal grant in these several counties.	Amount left in each, after de- ducting (pro- rata) the lands used for gen- eral purposes.	Am't of lands appropriated in each Co. by all existing laws.	Am't already expended, or now under contract.	Am't not un- der contract
	Acres.	Acres.	Acres.	Acres.	Acres.
Lake.....	23,146.79	16,994	15,240	15,860	2,880
Lapeer.....	21,855.51	16,047	61,010	59,780	1,280
Leelanaw.....	12,168.04	8,980	37,600	37,600	.....
Lenawee.....	1,800	1,822	4,480	8,820	1,160
Manistee.....	49,186.23	36,118	80,680	24,960	5,120
Mason.....	49,495.05	31,901	69,450	.....	.....

ERRATA.

On page 41, Sanilac county should read as follows:

Sanilac..... 148,778.41 105,562 158,448.60 .....

Osceola.....	46,490.68	34,184	2,760	.....	2,760
Ottawa.....	26,959.86	19,798	55,708.70	52,508.70	3,200
Otsego.....	36,587.65	26,868	15,860	.....	15,860
Presque Isle....	195,650.49	143,654	38,844	38,844	.....
Roscommon.....	94,456.95	69,852	35,200	26,580	8,820
Saginaw.....	66,528.20	43,842	69,718	69,718	.....
Sanilac.....	108,778.41	195,562	158,448.60	158,448.60	.....
Shiawassee.....	17,511.85	12,857	12,160	12,160	.....
St. Clair.....	28,919.68	21,283	37,908	37,908	.....
Tuscola.....	108,888.43	79,911	184,892	115,818.08	19,578.92
Van Buren.....	27,078.85	19,862	11,520	11,520	.....
Wexford.....	25,641.79	18,827	16,000	16,000	.....
.....	.....	.....	2,222,666	2,004,474.14	218,192.80

\*10,340 acres in this county, on the Port Huron, Bay City, and Lansing Road, were used on the Road in other counties, as nothing was expended on the road south of St. Johns.

†17,280 acres in this county, on the Newaygo and Northport Road, were all used on the road in counties farther south.



TABLE IV.  
(FOR LOWER PENINSULA ONLY.)

NAME OF COUNTY.	Amount of ori- ginal grant in these several counties.	Amount left in each after de- ducting (pro- rata) the lands used for gen- eral purposes.	Am't of lands appropriated in each Co. by all existing laws.	Am't already expended, or now under contract.	Am't not un- der contract.
	Acres.	Acres.	Acres.	Acres.	Acres.
Alcona .....	122,695.45	90,065	19,640	19,640	.....
<del>Alcona .....</del>	<del>122,695.45</del>	<del>90,065</del>	<del>19,640</del>	<del>19,640</del>	<del>.....</del>
Clare.....	77,302.02	66,730	10,560	10,560	.....
*Clinton.....	28,461.94	17,226	28,289	28,289	.....
Crawford.....	88,294.25	28,116	16,000	.....	16,000
Eaton .....	15,664.17	11,501	10,428	6,400	4,028
Emmet.....	67,958.87	49,997	42,436	30,726	21,700
Genesee.....	4,817.64	3,170	5,700	5,620	80
Grand Traverse	29,908.58	21,960	56,412	56,412	.....
Gratiot.....	51,687.00	37,912	98,684	91,467	2,167
Gladwin.....	99,915.29	78,360	88,260	33,280	.....
Huron.....	171,661.05	126,062	198,640.64	152,389.64	46,251
Ingham.....	16,699.02	12,261	4,427	3,006.12	1,420.88
Ionia.....	11,785.01	8,658	16,828	16,828	.....
Iosco.....	68,907.28	50,592	26,480	26,480	.....
Isabella.....	52,971.76	38,892	44,160	44,160	.....
Jackson.....	5,001.45	3,672	5,040	5,040	.....
Kent.....	15,104.96	11,090	40,718	38,458	2,260
Kalkaska.....	49,588.71	31,968	7,690	7,680	.....

TABLE IV—CONTINUED.

NAME OF COUNTY.	Am't of orig- inal grant in these several counties.	Amount left in each, after de- ducting (pro- rata) the lands used for gen- eral purposes.	Am't of lands appropriated in each Co. by all existing laws.	Am't already expended, or now under contract.	Am't not un- der contract
	Acres.	Acres.	Acres.	Acres.	Acres.
Lake.....	23,146.79	16,994	13,240	15,860	2,680
Lapeer.....	21,855.51	16,047	61,010	59,780	1,280
Leelanaw.....	12,168.04	8,980	37,600	37,600	-----
Lenawee.....	1,600	1,822	4,480	8,820	1,160
Manistee.....	49,156.28	26,118	30,680	24,960	5,120
Mason.....	42,495.95	31,201	28,450	28,650	4,600
Mecosta.....	46,814.51	34,879	58,584	57,084	1,500
Midland.....	85,968.46	26,858	54,418	54,418	-----
Missaukee.....	64,152.27	61,756	38,400	38,400	-----
Monroe.....	4,458.11	8,292	9,640	4,640	5,000
Montcalm.....	48,694.46	35,752	70,198	68,688	1,500
Muskegon.....	48,704.90	35,760	88,291	76,411	11,880
Newaygo.....	78,229.17	53,766	120,820	107,760	12,560
Ocean.....	43,947.01	32,267	32,520	26,660	5,860
Oscoda.....	46,490.68	34,184	2,760	-----	2,760
Ottawa.....	26,959.86	19,798	55,708.70	52,508.70	3,200
Otsego.....	36,587.65	26,868	15,860	-----	15,860
Presque Isle....	195,650.49	143,654	38,244	38,244	-----
Roscommon.....	94,456.95	69,858	35,200	26,680	8,820
Saginaw.....	66,528.20	43,842	69,718	69,718	-----
Sanilac.....	108,778.41	195,562	158,448.60	158,448.60	-----
Shiawassee.....	17,511.85	12,657	12,160	12,160	-----
St. Clair.....	28,919.68	21,228	37,908	37,908	-----
Tuscola.....	108,988.48	79,911	184,862	115,818.08	19,578.92
Van Buren.....	27,078.25	19,862	11,520	11,520	-----
Wexford.....	25,641.79	19,827	16,000	16,000	-----
			2,222,666	2,004,474.14	218,192.80

\*10,340 acres in this county, on the Port Huron, Bay City, and Lansing Road, were used on the Road in other counties, as nothing was expended on the road south of St. Johns.

†17,280 acres in this county, on the Newaygo and Northport Road, were all used on the road in counties farther south.

TABLE V.

*Showing, by Roads and Ditches, the entire amount of Appropriation, the whole Amount Paid, the Balance yet remaining Unpaid, and the Amount Overpaid on each.*

NAME OF ROAD.	Total amount of Appropriation.	Total amount Paid.	Bal. remain- ing Unpaid.	Amount Overpaid.
Allegan, Muskegon, and Tr. Bay.....	\$227,200 00	\$179,760 96	\$47,439 04	.....
Almont and Cass River.....	42,400 00	42,488 48	.....	88 48
Alma and Clinton.....	67,780 00	59,594 98	14,185 07	.....
Allegan and Lake Shore.....	24,000 00	58 10	23,916 90	.....
Ash and Frenchtown, in Mon- roe County.....	2,500 00	.....	2,500 00	.....
Berlin and Georgetown.....	16,400 00	15,660 22	739 78	.....
Big Rapids and Grand Rapids	86,000 00	84,961 08	1,038 92	.....
Branch Road in Eaton and Barry Counties.....	5,085 00	.....	5,085 00	.....
Bridgeton and Osceola.....	41,050 00	25,650 00	15,370 00	.....
Clio and Chesaning.....	9,050 00	6,127 28	2,922 72	.....
Capac and Clyde.....	15,180 00	21,505 90	71 10	.....
Capac and Clyde Extension..	6,400 00			
Cottonwood Swamp.....	6,400 00	2,252 10	4,147 90	.....
Cass River and Wild Fowl Bay.....	33,625 00	1,570 00	31,755 00	.....
Cass River and Bay City.....	59,800 00	59,760 62	39 38	.....
Crawford's Quarry.....	5,480 00	91 00	5,389 00	.....
Dowagiac Swamp.....	4,000 00	3,999 97	63	.....
Duncan, Alpena and Sauble..	149,600 00	152,892 50	10,407 50	.....
Duncan, Alpena, and Sauble Extension.....	13,600 00			
East Saginaw and Sauble.....	122,800 00	124,384 72	.....	2,684 72
East Saginaw and Junction..	9,200 00	9,198 00	7 00	.....
Emmet and Grand Traverse..	60,800 00	61,566 78	.....	766 78
Englishville and Croton.....	22,400 00	21,287 67	1,162 33	.....
Ferryburg and Black River, Act 888, of 1865.....	3,200 00	2,201 12	998 88	.....
Greenville and Bloomer.....	2,400 00	1,200 00	1,200 00	.....

TABLE V—CONTINUED.

NAME OF ROAD.	Total amount of Appropriation.	Total amount Paid.	Bal. remain- ing Unpaid.	Amount Overpaid.
Greenville and Big Rapids....	234,856 02	34,856 02	-----	-----
Grand Rapids and Muskegon. Act 238, of 1863.....	4,000 00	2,808 72	1,191 28	-----
Genesee and Tuscola.....	7,200 00	7,200 00	-----	-----
Greenbush and Gratiot.....	11,600 00	13,555 04	-----	1,955 04
Hastings and Lowell.....	5,000 00	645 50	4,354 50	-----
Huron City and Bad Ax.....	17,768 00	-----	17,768 00	-----
Ionia, Houghton Lake and Mackinac.....	176,000 00	58,295 15	117,704 85	-----
Ithaca and St. Charles.....	10,000 00	8,254 00	1,746 00	-----
Ithaca and Alma.....	6,800 00	4,091 66	2,708 34	-----
Ionia and Vermontville.....	14,400 00	14,418 00	-----	18 00
Ionia and Smyrna.....	3,200 00	3,382 10	-----	182 10
Ingham and Clinton.....	5,200 00	5,405 50	-----	205 50
Lexington and Flint River..	41,600 00	41,815 30	-----	215 30
Lake Shore.....	6,600 00	950 00	5,650 00	-----
Lapeer and Tuscola.....	51,380 00	14,205 82	17,124 18	-----
Manistee and Leeland.....	62,200 00	45,189 82	17,060 63	-----
Muskegon and Cedar Springs	26,800 00	24,477 00	4,323 00	-----
Midland and Isabella.....	21,622 50	15,864 40	5,658 10	-----
Mackinac and Little Trav- ersee Bay.....	28,307 50	12,237 20	16,070 30	-----
Mecosta to Oceana Co. Seat..	3,125 00	2,710 08	414 97	-----
Midland City, Houghton Lake and Traverse Bay.....	192,800 00	136,712 18	56,087 82	-----
Montcalm and Gratiot.....	21,175 00	21,542 54	-----	367 54
New Haven and Fairfield....	5,200 00	5,200 00	-----	-----
Newaygo and Northport.....	124,450 00	125,238 71	-----	788 71
Newaygo and Dayton.....	29,600 00	34,969 46	-----	5,369 46
Newaygo and Dayton Ext'n..	7,200 00	-----	7,200 00	-----
Nunica and Muskegon.....	14,400 00	-----	14,400 00	-----
Ovid and St. Charles.....	16,400 00	14,110 50	2,289 50	-----
Port Huron, Bay City, and Lansing.....	160,400 00	161,387 24	-----	987 24
Port Sanilac and Tuscola....	57,215 00	60,211 21	-----	2,996 21
Port Austin and Unionville..	28,722 50	3,125 00	25,597 50	-----
Port Austin and Sanilac.....	80,800 00	78,649 27	2,150 73	-----

TABLE V—CONTINUED.

NAME OF ROAD.	Total amount of Appropriation.	Total amount Paid.	Bal. remain- ing Unpaid.	Amount Overpaid.
Port Hope and Wild Fowl Bay.....	\$29,600 00	7 00	29,593 00	.....
Portage River.....	6,800 00	6,403 06	.....	108 06
Pentwater and Newaygo, Act 175, of 1863.....	10,000 00	8,455 55	1,544 44	.....
Sanilac and Huron.....	57,600 00	43,310 28	14,289 72	.....
St. Louis and Pine River, Act 98, of 1865.....	4,000 00	3,121 68	878 32	.....
Saginaw and Gratiot.....	27,467 50	26,650 38	817 12	.....
Saginaw, Gratiot, and Ne- waygo.....	48,000 00	21,966 23	26,033 75	.....
Saginaw City and Owosso....	28,400 00	24,727 27	3,672 73	.....
Sand Beach and Bay City....	50,600 00	35,158 80	15,441 70	.....
Sanilac and Bay.....	28,457 50	23,272 91	5,184 59	.....
Saugatuck and Overisel.....	6,400 00	.....	6,400 00	.....
Shiawassee Road, Act 80, of 1865.....	800 00	800 00	.....	.....
Summerfield and State Line (in Monroe Co.), Act 217, of 1861.....	2,500 00	2,500 00	.....	.....
Tuscola and Saginaw Bay....	32,200 00	14,455 91	17,744 09	.....
Vienna and State Line (in Monroe Co.), Act 217, of '61	2,500 00	2,557 00	.....	57 00
White Rock and Bingham ..	24,000 00	13,359 66	10,640 14	.....
White Lake and Big Rapids..	44,875 00	32,262 20	12,612 80	.....
	\$2,640,921 53	\$2,024,648 46	\$632,906 10	\$16,685 04

TABLE V—CONTINUED.

## DITCHES.

NAME OF DITCH, ETC.	County.	Total amount of Appropri- ation.	Total amount Paid.	Balance remaining Unpaid.
Ditch in .....	Bay .....	\$ 6,510 00	\$6,510 00	.....
North Shore Ditch .....	Clintou .....	1,632 50	1,632 50	.....
Maple to Bad River Ditch .....	Gratiot .....	5,000 00	5,000 00	.....
Ditch in .....	Genesee .....	2,500 00	2,500 00	.....
German-American Christian Benevolent Ag'l Society .....	Huron .....	5,010 80	5,010 80	.....
River Du Fil Improvement .....	Huron .....	4,000 00	4,000 00	.....
Delhi Ditches .....	Ingham .....	500 00	500 00	.....
Aurelius Ditches .....	Ingham .....	2,500 00	579 12	\$1,920 88
Rogue River Improvement .....	Kent and Newaygo }	3,750 00	3,750 00	.....
Belle River Improvement .....	Lapeer .....	1,600 00	.....	1,600 00
Imlay and Mussey Ditches .....	Lapeer and St. Clair }	1,877 50	1,877 50	.....
Flat River Improvement .....	Montcalm and Mecosta. }	3,750 00	.....	3,750 00
Muskegon Flats Imp. ....	Muskegon .....	13,913 66	4,276 38	9,627 28
Ditch in .....	Monroe .....	3,750 00	.....	3,750 00
Bridge over Muskegon River .....	Newaygo .....	4,900 00	3,177 47	1,622 53
Black Lake Harbor Imp. ....	Ottawa .....	14,085 87	6,462 60	7,573 27
Mishtegay Ditch .....	Saginaw .....	5,507 50	5,507 50	.....
Black River Ditch .....	Sanilac .....	4,900 00	4,900 00	.....
Elk Creek Ditch .....	Sanilac .....	19,510 75	19,510 75	.....
Ripley Ditch .....	Sanilac .....	16,400 00	11,200 00	5,200 00
Antrim Ditch .....	Shiawassee .....	2,500 00	2,500 00	.....
Mussey Ditch .....	St. Clair .....	3,750 00	3,750 00	.....
Akron Ditch .....	Tuscola .....	6,469 10	4,145 00	2,324 10
Geneva and Sag. Bay Ditch .....	Tuscola .....	4,000 00	.....	4,000 00
		\$138,067 63	\$96,689 62	\$41,378 06
* Total of Roads .....		2,640,335 50	2,019,352 94	638,204 32
Grand total .....		\$2,778,408 13	\$2,116,041 66	\$662,366 88

TABLE V—CONTINUED.

## UPPER PENINSULA.

NAME OF ROAD.	Total amount of Appropria- tion.	Total amount Paid.	Bal. remaining Unpaid.
Bay De Noc and Green Bay.....	\$119,790 50 }	\$119,436 98	\$10,348 57
Bridge over Menominee River.....	10,000 00 }		
Chocola and Negaunee—estimated..	20,800 00	.....	20,800 00
Deer Creek and Menominee Marble Quarry.....	71,000 00	.....	71,000 00
Ishpeming and New England Mine..	12,800 00	.....	12,800 00
Keweenaw Bay—estimated.....	83,200 00	47,286 86	35,913 14
L' Anse Bay and State Line.....	134,400 00	10,644 25	123,755 75
Mackinaw and Delta—estimated.....	256,000 00	3 50	255,996 50
Marquette and Bay De Noc.....	11,468 65	11,468 65	.....
Mineral Range and Extensions.....	201,600 00	48,528 51	153,071 49
Marquette and Mineral Range.....	24,000 00	4,900 00	19,100 00
Ontonagon and State Line.....	63,000 00	1,682 44	61,317 56
Ontonagon and Montreal River.....	97,400 00	12,100 97	85,299 03
Portage River and Torch Lake.....	11,200 00	.....	11,200 00
St. Mary's River and Mackinaw.....	69,000 00	31,996 77	37,003 23
Sault Ste. Marie and Grand Island..	208,000 00	.....	208,000 00
Troy and Southport.....	24,000 00	.....	24,000 00
Wisconsin and Lake Superior.....	184,400 00	47,400 00	137,000 00
Wisconsin and Lake Superior Ext'n	22,580 00	12,842 25	9,737 75
Winona and Franklin.....	19,200 00	.....	19,200 00
Total.....	\$1,687,529 15	\$848,186 18	\$1,299,398 02

NOTE.—The Chicago and Northwestern Railroad Company has received patents for 66,188.26 acres: has reserved 14,997.81 acres.  
The Peninsular Railroad Company has reserved 1,372.38 acres.

TABLE VI.

*SHOWING by Roads, Ditches, etc., the number of miles of each under Contract, the Contract Price, and the Amount Paid thereon, with the Balance yet Unpaid.*

NAME OF ROADS. DITCHES, ETC.	No of miles under con- tract.	Contract Price.	Am't Paid.	Balance.
Allegan, Muskegon, and Trav. Bay	64	\$59,070 00	\$22,833 00	\$36,732 00
Allegan and Lake Shore.....	19	22,800 00	-----	22,800 00
Alma and Clinton.....	33	86,950 00	25,082 43	11,997 57
Capac and Clyde Extension.....	6 160	6,400 00	8,900 00	2,600 00
Cass River and Bay City.....	13 120	32,233 75	27,184 37	5,099 38
Cass River and Wild Fowl Bay....	19 8	28,582 40	1,570 00	26,712 40
Cottonwood Swamp.....	2 256	3,900 00	2,000 00	1,900 00
Duncan, Alpena, and Sauble.....	11	32,050 00	21,605 00	10,445 00
Duncan, Alpena, and Sauble Ext'n	16	12,385 00	5,798 00	6,587 00
East Saginaw and Sauble.....	5 160	25,900 00	20,000 00	5,900 00
Huron City and Bad Ax.....	14	17,768 75	13,300 00	4,468 75
Ionia, Houghton Lake, and Mack- inac.....	44 250	42,725 00	3,025 00	39,700 00
Lapeer and Tuscola.....	8 192	8,300 00	1,840 00	6,960 00
Manistee and Leeland.....	40 263	41,190 83	32,070 04	9,120 79
Midland, Houghton Lake, and Traverse Bay.....	52 215	72,754 50	30,743 50	42,011 00
Midland and Isabella.....	4	5,297 50	875 00	4,422 50
Muskegon and Cedar Springs.....	7 240	14,781 25	10,400 00	4,381 25
Ovid and St. Charles.....	15 136	16,200 00	13,970 00	2,230 00
Port Hope and Wild Fowl Bay....	7 160	3,000 00	-----	3,000 00
Port Huron, Bay City, and Lan- sing.....	2	3,200 00	3,040 00	160 00
Saginaw, Gratiot, and Newaygo...	20	22,750 00	2,625 00	20,125 00
Sanilac and Bay.....	15 80	13,560 50	11,719 20	1,841 30
Sanilac and Huron.....	24 160	24,075 00	19,565 00	4,460 00
Saugatuck and Overisel.....	8	6,400 00	-----	6,400 00
Tuscola and Saginaw Bay.....	2 140	3,000 00	1,280 00	1,720 00
White Rock and Bingham.....	2	2,400 00	1,900 00	600 00
	464 10	\$562,284 43	\$275,910 54	\$286,373 94



TABLE VI—CONTINUED.

## DITCHES.

NAME OF ROADS, DITCHES, ETC.	No. of miles under con- tract.	Contract Price.	Am't Paid.	Balance.
Ripley Ditch.....	5 114	\$5,200 00	-----	\$5,200 00
Akron Ditch.....	2 315	2,324 10	-----	2,324 10
	8 109	\$7,524 10	-----	\$7,524 10

## UPPER PENINSULA.

Bay De Noc and Green Bay.....	19	\$30,400 00	\$27,500 00	\$2,900 00
L' Anse Bay and State Line.....	29	46,783 94	6,400 00	40,383 94
Mineral Range.....	4	6,400 00	3,100 00	3,300 00
St. Mary's River and Mackinac....	5	8,000 00	3,200 00	4,800 00
Wisconsin and Lake Superior.....	40	63,000 00	47,400 00	15,600 00
Wisconsin and Lake Superior Ex.	14 86	22,560 00	11,200 00	11,200 00
	111 86	\$177,113 94	\$96,500 00	\$78,228 94

## BALANCE SHEET FOR LOWER PENINSULA.

*Swamp Land Fund in account with the State of Michigan.*

CREDIT.	Acres.
By swamp and overflowed lands granted to the State by act of Congress	8,160,516.21
By net amount collected by S. L. S. R. Commissioner for trespass on these lands, of \$5,501 60, equal to	4,401.28
By cash collected for extra work done in the Road Office, and paid into the Treasury to the credit of the fund, \$50 00, equal to	40.00
	<u>8,164,957.49</u>

DEBIT.	Acres.
To amount of appropriations for roads, etc., as per Table 8	2,222,666
To amount of appropriations for general purposes, and not included in said Table, as follows, viz.:	Acres.
Lands given to Agricultural College by act 31, of 1858	6,881.40
Lands given to Primary School Fund, by act 168, of 1869	11,228.70
*Bal. of 200,000 acres for Ditches, by act 107, of 1861	140,374.60
Lands donated to German-American Seminary, by act 175, of 1861	25,000
Lands patented as homesteads, sec. 8, act 31, of 1858, and amendments	61,997.75
Lands licensed for homesteads, sec. 8, act 31, of 1858, and amendments	96,517.68
Lands sold for cash (in excess of cash paid on roads)	818,128.55
+Expenses of State Road Office from 1867 (\$17,378 06), equal to	18,898.45
Estimated amount necessary to cover surveys, advertising, local and special Commissioners' salaries, damages for right of way, etc.	120,000.00
	<u>794,026.48</u>
	<u>8,016,692.49</u>

Showing in the fund, over all appropriations, only a balance of about... 148,265.01

\*Not yet used by Board.

†A part of this is properly chargeable to the Upper Peninsula, but cannot well be separated.

If to the above we add the "Indemnity Lands" [See report of Commissioner of Land Office], 18,823.93 acres, it will increase this balance to 167,008.94 acres.

In this statement, no credit has been given for lands that have reverted to the State on forfeiture, for non-payment of interest. These must amount to several thousand acres, and may increase this balance to nearly 200,000 acres; an amount, in my judgment, not sufficient to compensate for the portion of this Swamp Land Grant that is and must continue worthless.

The foregoing calculations and tables have all been made on the basis of a minimum price of \$1 25 per acre.

The idea has been put forth by some, that the lands thus far disposed of have netted considerably above that; but reference to the report of the Commissioner of the Land Office for 1857 shows there had then been sold 142,433.31 acres for \$112,685 78, an average of about 79 cents per acre, causing a loss of \$65,355 85, from a minimum of \$1 25; and it is doubtful whether the sales since then have gone enough above that minimum to more than make up that loss.

Others have supposed there must be a large amount of cash on hand to the credit of this fund, from the cash sales, but the Auditor General's forthcoming report shows that considerably more than \$200,000 have already gone into the Primary School Fund, under Sec. 5, Act. 31, of 1858, which section is held by the Supreme Court to be still operative to carry one-half of the cash receipts to the Primary School Fund, and the same section seems to hold the balance to retire the State indebtedness.

## APPENDIX.

On a pretty thorough examination of the books in the State Land Office, it has been ascertained that much of the land granted for roads and other purposes by special acts, had been conveyed without being put through the books of the Auditor General; hence, none of the Tables in his reports have ever embraced these amounts. I think it a matter of serious regret that any lands should ever have passed from the State except in the usual way, so that the Auditor's books would be competent to show the condition of each fund fully. The following are the exceptions above referred to, that have now been found:

### LOWER PENINSULA.

FOR STATE ROADS AND A DITCH.	ACRES.	AMOUNT.
Road from Mecosta to Oceana Co. Seat—Act 254, of 1868.....	2,660.08	\$3,325 04
Pentwater and Newaygo Road—Act 175, of 1868.....	6,764.44	8,455 55
Lake Shore Road—Act 180, of 1868.....	760.00	950 00
Grand Rapids and Muskegon Road—Act 238, of 1868.....	2,818.98	2,898 73
Road from Ferrysburgh to mouth of Black Creek—Act 888, of 1865.....	1,760.90	2,201 13
To Genesee Co., for a Ditch in said County—Act 87, of 1868..	1,987.62	2,484 52
MISCELLANEOUS.		
To Agricultural College—Act 81, of 1858.....	6,881.40	8,601 75
Harbor at North Black Lake, Ottawa Co.—Act 168, of 1859, and amendments.....	5,170.08	6,462 60
Transferred to Primary School Lands—Act 168, of 1859.....	3,370.80	4,218 50
German American Seminary, Detroit—Act 175, of 1861.....	24,998.92	31,248 65
Muskegon Flats Improvement ("Beard claim")—Joint Resolution No. 8, of 1864, and amendments.....	3,421.10	4,276 38
German Christian Agricultural and Benevolent Society—Act 439, of 1867.....	4,077.77	5,097 31
To township of Delhi for Ditch—Act 511, of 1867.....	400.00	500 00
All Lands Patented as Homesteads—Act 229, of 1859, and amendments.....	61,077.75	76,847 19
	125,649.79	\$157,093 23

## UPPER PENINSULA.

MISCELLANEOUS.	ACRES.	AMOUNT.
All Lands Patented for Homesteads—Act 229, of 1859, and amendments.....	585.95	\$732 44
To Chicago and Northwestern Railroad Co.—Act 206, of 1861	66,178.26	82,716 57
To Houghton Co. on Mineral Range State Road—Act 289, of 1868, and amendments.....	11,275.72	14,094 65
*To Houghton Co. on Mineral Range State Road—Act 289, of 1868, and amendments.....	12,847.50	16,069 88
	90,882.43	\$118,608 04

\*The patents for this last item have not been delivered, a question of law having been raised and carried to the Supreme Court, where it is still pending.

RECORD OF PROCEEDINGS  
OF THE  
BOARD OF CONTROL  
OF THE  
State Swamp Land Roads  
OF THE  
STATE OF MICHIGAN.

1807—1870.



BY AUTHORITY.

LANSING:  
W. S. GEORGE & CO., PRINTERS TO THE STATE.  
1870.



# REPORT.



STATE DEPARTMENT, MICHIGAN.

SECRETARY'S OFFICE, }  
*Lansing, December 5, 1870.* }

*To the Legislature of Michigan :*

I have the honor herewith to transmit the proceedings of the Board of Control of State Swamp Land Roads, from January 1st, 1867, to December 1st, 1870.

Very respectfully,

O. L. SPAULDING,

*Secretary.*



the limits of the City of Port Huron, be discontinued, and that it be located on the route as shown by the map and field notes this day filed in the office of the Commissioner of the Land Office.

Berlin and  
Georgetown

#### BERLIN AND GEORGETOWN STATE ROAD.

On the recommendation of the Commissioner, it was ordered that the contracts of John Haire, Hiram Jennison, Ammi Burnham, and Ira G. Burnham be extended for one month. to wit: from January 1st to January 31st, 1867.

Akron Ditch

On the recommendation of the Commissioner, it was ordered that the contracts of Charles Curtis, John S. Coy, and J. A. Crowell, on the Akron Ditch, be extended to January 1st, 1868, on their executing and filing new bonds for the due completion of their contracts.

Allegan,  
Muskegon,  
and Traver-  
se Bay.

#### ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

The account of T. W. White, Commissioner, of \$28, was received and allowed by the Board at \$19, to be paid on his furnishing to the Secretary of the Board sub-vouchers for moneys disbursed by him.

Port Austin  
and Sanilac.

#### PORT AUSTIN AND SANILAC STATE ROAD.

The account of Watson Beach, Commissioner, of \$165, was received, and ordered to lie on the table, and that the Secretary of the Board call upon him to furnish such vouchers for his cash disbursements as are shown in his account.

White Rock  
and Bing-  
ham.

#### WHITE ROCK AND BINGHAM STATE ROAD.

On the recommendation of the Commissioner, it was ordered that the contract of John C. Allen be extended to January 1st, 1868, on his renewing his bond for the due performance of his contract.

## PORT HURON, BAY CITY, AND LANSING STATE ROAD.

Port Huron,  
Bay City,  
and Lansing.

The application of James Russell, a contractor on said road, for the acceptance of certain contracts claimed by him to have been completed, was received and referred to the Secretary of the Board to obtain further proofs.

## CLINTON AND GRATIOT COUNTY DITCH.

Clinton and  
Gratiot.

On the recommendation of the Commissioner the contract of Mr. Peacock was extended to January 1st, 1868, on his renewing his bond.

## PORT SANILAC AND TUSCOLA STATE ROAD.

Port Sanilac  
and Tuscola.

The bond of Daniel G. Wilder, Commissioner, was received and approved by the Board.

## EAST SAGINAW AND JUNCTION STATE ROAD.

East Saginaw  
and Junction.

The following accounts were received and laid on the table,  
viz:

Account of S. R. Kirby, late Commissioner.....	\$166 34
“ “ S. C. Munson, Commissioner.....	103 00

On motion, the Board adjourned.

---

 SECOND MEETING.

*Lansing, February 15, 1867.*

The Board met.

There were present,

Hon. Henry H. Crapo, Governor,

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,

Hon. W. L. Stoughton, Attorney General.

Hon. O. L. Spaulding, Secretary of State.

Saginaw and  
Gratiot.

On recommendation of Henry A. Newton, Commissioner of Saginaw and Gratiot State Road, the contracts of S. W. King, R. G. Hillyer, W. R. Burt, Henry Weaver, A. Wendall, G. F. Williams, and Jas. Garget, were extended to January 1st, 1868.

Duncan, Al-  
pena, and  
Sauble River

#### DUNCAN, ALPENA, AND SAUBLE RIVER STATE ROAD.

On the recommendation of the Governor, the contract of Wm. S. Patrick was extended to February 20th, 1867.

East Sagi-  
naw and  
Junction.

#### EAST SAGINAW AND JUNCTION STATE ROAD.

The account of S. C. Munson was taken up and allowed at sixty-four dollars.

On the recommendation of S. C. Munson, Commissioner, the contract of Richard Talbot was extended to July 1st, 1867, on his renewing his bond for the completion of his contract.

Midland and  
Isabella.

#### MIDLAND AND ISABELLA STATE ROAD.

Application being made by Irving E. Arnold, a contractor upon this road, for an extension of his contract to January 1st, 1868, it was ordered that his request be granted on his filing with the Secretary of the Board the recommendation of the Commissioner, and renewing his bond for the completion of his contract.

Ionia and  
Vermont-  
ville.

#### IONIA AND VERMONTVILLE STATE ROAD.

Application was made verbally by Hon. H. Rich that the terms of the contract of himself and co-contractors might be modified to comply with a verbal arrangement claimed to have been made by said contractors with the Commissioner at the time of signing the contract, to the effect that the road was not to be cleared to a greater width than the road bed in those places where crossways were to be made; also for an extension of contract.

On motion, the application for a modification of the con-

tract was laid upon the table, and the contract extended to December 31st, 1867.

## ALMONT AND CASS RIVER STATE ROAD.

Almont and  
Cass river.

On the recommendation of the Governor, the contract of Joseph Tucker was extended to January 1st, 1868, on his renewing his bond for the completion of the work.

## PORT HURON, BAY CITY, AND LANSING STATE ROAD.

Port Huron,  
Bay City,  
and Lansing.

On the recommendation of the Secretary of State, the contract of Wm. J. Barron, Jr., and Eber B. Stiles, was extended to January 1st, 1868, on their renewing their bond for the completion of the contract.

On motion, the Board adjourned.

## THIRD MEETING.

*Lansing, March 25, 1867.*

The Board met at 10 o'clock A. M.

There were present.

Hon. H. H. Crapo, Governor,

Hon. E. O. Grosvenor, State Treasurer.

Hon. W. L. Stoughton, Attorney General.

Hon. O. L. Spaulding, Secretary of State.

## NEWAYGO AND NORTHPORT STATE ROAD.

Newaygo  
and North-  
port.

On the recommendation of Milo White, Commissioner of this road, the contract of E. L. Gray was extended to the 31st day of December, 1867, on his executing a new bond.

## NEWAYGO AND DAYTON STATE ROAD.

Newaygo  
and Dayton.

On the recommendation of Melvin W. Scott, Commissioner, the contract of E. L. Gray was extended to December 31st,

1867, on his executing a new bond for the performance of his contract.

New Haven  
and Fairfield.

#### NEW HAVEN AND FAIRFIELD STATE ROAD.

On the recommendation of Wm. Oaks, Commissioner, the time for completion was extended to December 1st, 1867.

Vienna to  
State Line.

#### STATE ROAD RUNNING FROM VIENNA, IN THE COUNTY OF MONROE, SOUTH TO THE STATE LINE.

Bond of R. M. Brigham, Commissioner, was received and approved.

Port Huron,  
Bay City,  
and Lansing.

#### PORT HURON, BAY CITY, AND LANSING STATE ROAD.

The communication of F. D. Weller, relative to the contract of James Russell, was received and referred, together with the petition of said Russell, to the S. L. S. R. Commissioner.

Ditch peti-  
tion in coun-  
ties of Sanilac,  
St. Clair,  
and Lapeer.

The petition of John M. Roe and one hundred and four others, residents of Sanilac, St. Clair, and Lapeer counties, asking an appropriation of a section of land per mile for the purpose of constructing a ditch in said counties, was received and laid on the table, and the Secretary of the Board was instructed to require the petitioners to procure a survey of the proposed ditch, and a map of the lands to be benefited by said ditch, showing the location and extent of the swamps, and present the same to this Board; also to furnish the Board the amount of fall, and other information necessary to enable them to determine the necessity and utility of such proposed ditch.

Almont and  
Cass River.

#### ALMONT AND CASS RIVER STATE ROAD.

The account of J. C. Emory, Commissioner, was received and allowed at one hundred and eleven dollars.

## LEXINGTON AND FLINT RIVER STATE ROAD.

Lexington  
and Flint  
River.

The account of Charles Ballad, Commissioner, was received  
and allowed at fifty-one dollars and ninety-five cents.

On motion, the Board adjourned.

---

## FOURTH MEETING.

*Lansing, July 3, 1867.*

The Board met.

There were present,

Hon. Wm. Humphrey, Auditor General,

Hon. Benj. D. Pritchard, Com'r of State Land Office,

Hon. O. L. Spaulding, Secretary of State.

There not being a quorum present, the Board adjourned to  
July 30th, at 10 o'clock A. M.

---

## FIFTH MEETING.

*Lansing, July 30, 1867.*

The Board met at the office of the Secretary of State.

Present:

Hon. Benj. D. Pritchard, Commissioner Land Office,

Hon. Wm. Humphrey, Auditor General,

Hon. W. L. Stoughton, Attorney General,

Hon. O. L. Spaulding, Secretary of State.

On motion,

Hon. B. D. Pritchard was elected chairman, *pro tem*.

The communication of C. B. Cottrel, Commissioner on the  
Port Austin and Sanilac State Road, with reference to the

Port Austin  
and Sanilac.

length of the road, was received and referred to the Swamp Land State Road Commissioner.

The communication of Thomas Munger, contractor on the State road in the big marsh in Shiawassee county, was received and referred to the S. L. S. R. Commissioner.

A petition of sundry citizens of Gratiot county, for a road through swamps in township eleven (11) north, of range three (3) west, and an appropriation of swamp lands for the same, was received and referred to the S. L. S. R. Commissioner.

Shiawassee  
Co. Angle  
Ditch.

A petition of sundry citizens of Shiawassee county, for an appropriation of two thousand acres of swamp land to construct the ditch known as "Angle Ditch," was received and referred to the S. L. S. R. Commissioner.

Lapeer and  
Tuscola.

#### LAPEER AND TUSCOLA STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, it was ordered that Hiram Curtis, the contractor on this road, be paid twelve hundred and fifty dollars (\$1,250) per mile on his contract, payable in swamp lands, said amount to apply on the contract price for constructing the road.

Capac and  
Clyde.

#### CAPAC AND CLYDE STATE ROAD.

The acceptance by the Local Commissioner of the fifth, sixth, seventh, eighth, ninth, fifteenth, sixteenth, seventeenth, and fraction of the eighteenth miles of said road, was approved.

Ingham and  
Clinton.

#### INGHAM AND CLINTON STATE ROAD.

The acceptance by the Local Commissioner of the contract of C. C. Darling and Jackson Everett was approved (two hundred and eighty-five rods of the south end).

Newaygo  
and Dayton.

#### NEWAYGO AND DAYTON STATE ROAD.

The acceptance by the Local Commissioner of the contract of E. L. Gray, of eighty rods of crossway, was approved.

## MIDLAND AND ISABELLA STATE ROAD.

Midland and  
Isabella.

The contracts of John Larkin on the eleventh and twelfth miles of this road were extended to November 1st, 1867, on the recommendation of the S. L. S. R. Commissioner, said Larkin to procure the written assent of the sureties to said extension.

## BRIDGTON AND OSCEOLA STATE ROAD.

Bridgton  
and Osceola.

The acceptance by the Local Commissioner of two miles of the contract of Henry Monroe and James Crofoot was approved.

## LEXINGTON AND FLINT RIVER STATE ROAD.

Lexington  
and Flint  
River.

The acceptance by the Local Commissioner of one mile and thirty rods of the contract of John Wilson was approved.

## IMPROVEMENT OF THE HARBOR AT THE MOUTH OF THE RIVER DU FIL.

River Du  
Fil.

The acceptance by the Local Commissioner of the contract of John C. Liken, for improvement of harbor, was approved.

## DUNCAN, ALPENA, AND SAUBLE RIVER STATE ROAD.

Duncan, Al  
pena, and  
Sauble  
River.

The account of J. B. Tuttle, as Commissioner on the north division of said road, was allowed at eighty-one dollars.

## ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

Allegan,  
Muskegon,  
and Trav-  
erse Bay.

The acceptance by the Local Commissioner of the first and second miles of the contract of S. C. Hall was approved.

The Board hereupon adjourned until to-morrow morning.



## SIXTH MEETING.

*Lansing, July 31, 1867.*

The Board met at the office of the Secretary of State.

Present:

Hon. Henry H. Crapo, Governor,

Hon. E. O. Grosvenor, State Treasurer,

Hon. W. L. Stoughton, Attorney General,

Hon. Benj. D. Pritchard, Com'r Land Office,

Hon. Wm. Humphrey, Auditor General,

Hon. O. L. Spaulding, Secretary of State.

Mackinaw  
and Delta.

## MACKINAC AND DELTA STATE ROAD.

The bond of Thomas J. Streeter, Commissioner on this road, was approved.

Huron City  
and Bad Ax.

## HURON CITY AND BAD AX STATE ROAD.

The bond of Jeremiah Ludington, Commissioner on this road, was approved.

Sanilac and  
Huron.

## SANILAC AND HURON STATE ROAD.

The bond of George Skene, Local Commissioner on the section of said road lying in Huron county, was approved.

Mineral  
Range.

## MINERAL RANGE STATE ROAD.

The bond of Daniel D. Brockway, Commissioner, was approved.

Midland,  
Houghton  
Lake, and  
Grand  
Traverse.

MIDLAND, HOUGHTON LAKE, AND GRAND TRAVERSE BAY  
STATE ROAD.

The bond of D. C. Leach, Commissioner on the western division, was approved.

The bond of John Larkin, Commissioner on the eastern division, was approved.

## IMPROVEMENT OF FLAT RIVER.

Flat River.

The bond of Daniel C. More, Commissioner, was approved.

## EAST SAGINAW AND JUNCTION STATE ROAD.

East Saginaw and Junction.

The bond of Samuel C. Munson, Commissioner, was approved.

## AKRON DITCH.

Akron Ditch

The bond of Joseph A. Crowell, Commissioner, was approved.

## DEER CREEK AND MENOMINEE MARBLE QUARRY STATE ROAD.

Deer Creek and Menominee Marble Quarry.

The bond of Eleazer S. Ingalls, Commissioner, was approved.

## CAPAC AND CLYDE STATE ROAD.

Capac and Clyde.

The bond of Aaron B. Rawles, Commissioner, was approved.

On motion, the following form of acceptance by Local Commissioners was adopted, viz :

## ACCEPTANCE BY LOCAL COMMISSIONER.

Form of acceptance.

STATE OF MICHIGAN, }  
 ----- COUNTY, } ss.

----- being duly sworn, deposes and says that he is the Local Commissioner on ----- Swamp Land State Road, and that he has personally examined the job let to ----- as per contract No. ----- on the said road, from ----- to ----- being ----- miles of said Road, and that he has found ----- of said job fully completed in a good, workmanlike manner; that the material used, and all parts of the work, are in accordance with the specifications of said contract; and that he has accepted the same, subject to the approval of the Swamp Land State Road Commissioner and Board of Control.

-----  
*Local Commissioner.*

Sworn to and subscribed before me, this ..... day of  
..... 186...

On motion, the following form of certificate for S. L. S. R.  
Commissioner was adopted, viz:

Form of  
certificate.

SWAMP LAND STATE ROAD COMMISSIONER'S OFFICE, ( )  
Lansing, Mich., ..... 186... ( )

*To the Auditor General of the State of Michigan:*

I hereby certify that.....  
Contractor on the..... Swamp Land  
State Road, ha..... fully completed..... miles of  
said road from..... to.....  
according to the specifications of..... contract, numbered  
..... and that the work has been duly accepted and  
approved, entitling..... to your warrant for \$.....  
to be paid in State Swamp Lands in.....  
at \$1.25 per acre, according to the terms of said contract and  
the laws applicable to said road.

Given under my hand and seal, at Lansing, on the day and  
year above written.

.....  
*Commissioner.*

Form of  
receipt for  
warrant.

Received of the Auditor General, a warrant upon the  
Treasurer of the State of Michigan, for the sum of.....  
dollars and... .. cents, in full of the above.

.....  
Lansing, ..... 186....

Emmet and  
Grand Traver-  
se.

EMMET AND GRAND TRAVERSE STATE ROAD.

The account of L. R. Smith, Commissioner, was allowed at  
five hundred and fourteen dollars,

## ENGLISHVILLE AND CROTON STATE ROAD.

Englishville  
and Croton.

It having been represented to the Board that the contract of Mr. Orton, a former contractor, was accepted some years ago by Joshua Mills, the Commissioner on said road, and payment made to said Orton, and that no part of the contract had been performed, it was ordered that the Attorney General be instructed to investigate the facts of the case and institute the proper legal proceedings against said Orton and said Mills, in case he finds said representations to be true.

## CAPAC AND CLYDE STATE ROAD.

Capac and  
Clyde.

On the recommendation of the S. L. S. R. Commissioner, the contract of John Phelps is extended to December 1st, 1867; said Phelps to obtain the written consent of his sureties to said extension.

## CASS RIVER AND BAY CITY STATE ROAD.

Cass River  
and Bay  
City.

On the recommendation of the S. L. S. R. Commissioner, and at the request of the contractor, the contract of Wm. H. Minton was canceled.

H. C. Marvin, Local Commissioner, having asked that changes be made in the route specified in the contract of J. F. Willey, it was ordered that the matter be referred to the S. L. S. R. Commissioner to investigate, with power to make such changes as he may deem best.

## MIDLAND AND ISABELLA STATE ROAD.

Midland and  
Isabella.

On the recommendation of the S. L. S. R. Commissioner, the contract of John A. Hursh is extended to November 1st, 1867, said Hursh to obtain the written assent of his surety to said extension.

## ALMONT AND CASS RIVER STATE ROAD.

Almont and  
Cass River.

On the recommendation of the S. L. S. R. Commissioner, the contract of Reuben Fletcher, assigned to John C. Emery,

was extended to November 1st, 1867, on condition of obtaining written assent of his sureties to said extension.

Newaygo  
and Dayton.

#### NEWAYGO AND DAYTON STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the contract of Cameron & Caverny was extended to October 1st, 1867, on condition of obtaining the written assent of their sureties to said extension.

The Board hereupon adjourned.

---

### SEVENTH MEETING.

*Lansing, August 28, 1867.*

The Board met at the office of the Secretary of State at 9 o'clock A. M.

Present:

Hon. E. O. Grosvenor, State Treasurer.

Hon. Wm. Humphrey, Auditor General,

Hon. B. D. Pritchard, Commissioner Land Office,

Hon. O. L. Spaulding, Secretary of State.

On motion,

Hon. B. D. Pritchard was chosen chairman *pro tem*.

Berlin and  
Jamestown.

#### BERLIN AND JAMESTOWN STATE ROAD.

The application of Harris & Pelton, contractors, for extension of time for the completion of their contract, was received, and, on motion, referred to the S. L. S. R. Commissioner.

White Lake  
and Big  
Rapids.

#### WHITE LAKE AND BIG RAPIDS STATE ROAD.

The bond of Wm. S. Utley, Commissioner, was approved.

## DUNCAN, ALPENA, AND SAUBLE RIVER STATE ROAD.

Duncan,  
Alpena and  
Sauble River

The bond of Edward B. Chamberlain, Commissioner, was approved.

## SAGINAW CITY AND OWOSSO STATE ROAD.

Saginaw  
City and  
Owosso.

The bond of Abel A. Brockway, Commissioner, was approved.

## NEWAYGO AND DAYTON STATE ROAD.

Newaygo  
and Dayton.

The acceptance by the Local Commissioner of the contract of G. R. Cameron and Peter Carney, assigned to Edgar L. Gray, of 3 157-320 miles, from the west side of section sixteen (16) to the north-west corner of section six (6), in T. 12 N., of R. 13 W., was approved.

The acceptance by the Local Commissioner of 3 225-320 miles of the contract of John W. Rochester and Edgar L. Gray, for cutting out and logging out, was approved.

The acceptance by the Local Commissioner of twelve rods of flattened timber causeway, and sixty-one rods of rail causeway, of the contract of John W. Rochester and Edgar L. Gray, was approved.

The acceptance by the Local Commissioner of 3 504-1000 miles of the contract of John W. Rochester and Edgar L. Gray, for stumping, ditching, and grading from a point 46.17 chains from the southern terminus of said road, and running from thence to the old Newaygo and Fremont State Road, to the west side of section 16, T. 12 N., of R. 13 W., was approved.

## ENGLISHVILLE AND CROTON STATE ROAD.

Englishville  
and Croton.

The acceptance by the Local Commissioner of one-half mile of the contract of William A. Watrous, running northerly from the five-mile stake, was approved.

**Port Huron, PORT HURON, BAY CITY, AND LANSING STATE ROAD—  
2D DIVISION.**

The acceptance by the Local Commissioner of sections five, six, seven, and eight of the contract of R. G. Hillyer, four miles, was approved.

**Greenville  
and Big  
Rapids.**

**GREENVILLE AND BIG RAPIDS STATE ROAD.**

The acceptance by the Local Commissioner of two miles of the contract of J. B. Barr, running from the south-east corner of section 22 to north-east corner of same section ; also from the quarter post on east side of section 15, to north-east corner of same section ; also 160 rods in north-west direction on section 10, all in T. 11 N., of R. 8 W., was approved.

The acceptance by the Local Commissioner of 327 rods of the contract of J. B. Barr was approved.

**Big Rapids  
and Grand  
Rapids.**

**BIG RAPIDS AND GRAND RAPIDS STATE ROAD.**

The acceptance by the Local Commissioner of one mile of the contract of Nelson Ganong was approved.

The acceptance by the Local Commissioner of sections seven and eight, being two miles of the contract of George French, was approved.

**Alma and  
Clinton.**

**ALMA AND CLINTON STATE ROAD.**

The acceptance by the Local Commissioner of one half ( $\frac{1}{2}$ ) mile of the contract of Gordis Smith was approved.

The acceptance by the Local Commissioner of eighty (80) rods of the contract of George W. Kimball, being that part commencing at the quarter post between sections two and three of town 13 N., of range 4 W., and running south on the section line eighty rods, was approved.

The acceptance by the Local Commissioner of eighty (80) rods of the contract of David Caswell, from the north-west

corner of section 11, in T. 13 N., of R. 4 W., running south on the section line eighty rods, was approved.

The acceptance by the Local Commissioner of one half mile of the contract of Milton Bradley, from the quarter post between sections eleven (11) and fourteen (14), in T. 13 N., of R. 4 W., running east on the section line one half mile, was approved.

The acceptance by the Local Commissioner of one half mile of the contract of David Holland, from the quarter post between sections twelve (12) and thirteen (13) in T. 13 N., of R. 4 W., running west on section line one half mile, was approved.

On motion, the Board adjourned.

## EIGHTH MEETING.

*Lansing, October 2, 1867.*

The Board met at the office of the Secretary of State.

Present:

Hon. B. D. Pritchard, Com'r State Land Office,

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,

Hon. O. L. Spaulding, Secretary of State.

On motion,

Hon. B. D. Pritchard was chosen Chairman *pro tem*.

### ONTONAGON AND MONTREAL RIVER STATE ROAD.

Ontonagon  
and Montreal  
River.

The bond of Daniel Beaser, Commissioner, was approved.

### IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD.

Ionia,  
Houghton  
Lake and  
Mackinac.

The bond of William Broomfield, Commissioner, was approved.



Tuscola and  
Saginaw Bay

# TUSCOLA AND SAGINAW BAY STATE ROAD.

The bond of Orin G. Gibbs, Commissioner, was approved.

Ontonagon  
and State  
Line.

# ONTONAGON AND STATE LINE STATE ROAD.

The bond of Daniel Beaser, Commissioner, was approved.

Midland and  
Isabella.

# MIDLAND AND ISABELLA STATE ROAD.

The contract of Samuel Smith for building a bridge over the Chippewa river, dated the fourth day of May, 1863, was canceled on the recommendation of the S. L. S. R. Commissioner.

On the recommendation of the S. L. S. R. Commissioner, the following acceptances of contracts by Local Commissioners were approved :

Saginaw and  
Grafton.

# SAGINAW AND GRATIOT STATE ROAD.

The contract of George F. Williams & Brother, from section stake No. twenty-six (26) to section stake No. twenty-seven (27).

West Division  
of Lexington  
and  
Flint river.

# WEST DIVISION OF LEXINGTON AND FLINT RIVER STATE ROAD.

The contract of John Wilson, from 70 rods north of east quarter post of section one (1), in town eight (8) north, of range ten (10) east, to south-east part of section twelve (12), in said town.

Almont and  
Cass river.

# ALMONT AND CASS RIVER STATE ROAD.

The contract of Jerome B. Potter, assignee of Charles Cook, from S. W. corner of section 16, town 9 N., of range 12, east, to a point  $2\frac{3}{4}$  miles south.

The contract of Jephtha Tucker, from N. E. corner of section 34 to the south line of said section.

The completion of the contract of William L. Abbott.

The completion of the contract of Hugh McKenzie.

The contract of Andrew McAlpine from the quarter post between sections two and three to the quarter post between sections ten and eleven, in T. seven (7) north, of range twelve (12) E., being one mile.

The contract of John Abbott, from section thirty-three (33), on township line between Burnside and Goodland, two miles east.

The completion of the contract of Alexander Newman.

MINERAL RANGE STATE ROAD.

Mineral  
Range.

The contract of Keweenaw county from the 36th mile post to the middle of the 37th mile.

SANILAC AND BAY STATE ROAD.

Sanilac and  
Bay.

The contract of James J. McCormick of 243 rods of east end of contract.

The completion of the contract of George Bellamy.

The petition of John McRae and others, of Sanilac county, for an appropriation of swamp land for the purpose of constructing a ditch through said county, was referred to the S. L. S. R. Commissioner.

CLINTON COUNTY DITCH.

Clinton-  
County  
Ditch.

On motion, it was

*Resolved*, That so much of the action of the Board of January 3d, 1866, as fixes the dimensions of this ditch be rescinded.

On motion, it was

*Resolved*, That 5 3-5 additional acres of swamp land be appropriated for the purpose of building said ditch.

On motion, the Board adjourned.

## NINTH MEETING.

*Lansing, October 30, 1867.*

The Board met at the office of the Secretary of State.

Present :

Hon. Henry H. Crapo, Governor,

Hon. B. D. Pritchard, Com'r State Land Office,

Hon. Wm. L. Stoughton, Attorney General.

Hon. E. O. Grosvenor, State Treasurer.

On motion, Hon. E. O. Grosvenor was elected Secretary *pro tem*.

Second division of  
Port Huron,  
Bay City,  
and Lansing

#### SECOND DIVISION OF PORT HURON, BAY CITY, AND LANSING STATE ROAD.

The following acceptances of contracts by Local Commissioners was approved on recommendation of the S. L. S. R. Commissioner :

The contract of James Russell for sections seventeen and eighteen.

The contract of Peter Gruet for one mile, section forty-two.

The contract of Richard G. Hillyer for three miles, sections one, two, and three.

The contract of Benson B. Baily for four miles, sections thirty-eight, thirth-nine, forty, and forty-one.

The contract of John Jeffrey for one mile, section ten (10).

The contract of Bancroft & Styles entire, 150 rods.

Sanilac and  
Huron.

#### SANILAC AND HURON STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the following acceptances of contracts by Local Commissioners was approved.

The contract of E. and J. Erskine for three miles, being sections 19, 20, and 21.

The contract of Alfred Gunning for two miles, being sections 34 and 35.

The contract of Joseph Heathcoat for three miles, being sections 23, 24, and 25.

The contract of Peter Jennett for two miles, being sections 1 and 5, contract No. 1.

The contract of E. and J. Erskine, No. 4, for one mile.

The contract of Morris Cocoman, No. 6, for two miles, being sections 29 and 30.

The contract of Albert Pack, No. 2, for three miles and 258 rods, being sections 8, 9, 10, and 11.

The contract of Peter Jennett, No. 1, for three miles, being sections 2, 3, and 4.

The contract of Arthur Carson, for three miles, being sections 12, 13, and 14.

On the recommendation of the S. L. S. R. Commissioner, the following acceptances of contracts by Local Commissioners were approved:

**IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD.**

Ionia,  
Houghton  
Lake and  
Mackinac.

The contract of Giles Gilbert, entire.

**THE EXTENSION OF PORT AUSTIN AND SANILAC STATE ROAD.**

Extension  
of Port Aus-  
tin and San-  
ilac.

The contract of Peter Jennett for three and one-half miles, being sections 5, 6, 7, and 8, except north half of section 7.

The contract of John Cole, No. 11, for three and three-fourths miles, being sections 9, 11, 12, and three-fourths of thirteen.

**PORT HURON, BAY CITY, AND LANSING STATE ROAD.**

Port Huron,  
Bay City,  
and Lansing.

The contract of James Russell, entire one mile.

White Rock  
and Bing-  
ham.

#### WHITE ROCK AND BINGHAM STATE ROAD.

The contract of John C. Allen, No. 2, for two miles, being sections seven and eight.

Berlin and  
Georgetown

#### BERLIN AND GEORGETOWN STATE ROAD.

The contract of M. & V. Harris for two and seven-eighths miles, being the entire contract.

The contract of Rowland Pelton, No. 2, for two and one-half miles, being the whole of the contract.

The contract of Miner Hedges, No. 1, for one and one-half miles, being the whole of said contract, except forty or fifty rods of fence to be removed.

Greenville  
and Big  
Rapids.

#### GREENVILLE AND BIG RAPIDS STATE ROAD.

The contract of J. B. Barr, for five hundred and twenty-four rods, being the whole of the contract.

On motion of Hon. Wm. L. Stoughton, the following resolution was adopted :

*Resolved*, That the S. L. S. R. contract made by Thomas Stevenson, acting as Commissioner on the Sanilac and Bay State road with James J. McCormick, not being approved by the Governor, and a question having arisen in relation to the location of the said road within the corporate limits of the village of Portsmouth, be and the same is hereby declared inoperative and null and void so far as any part of the said road lies or runs within the village of Portsmouth, and that the payments made on said road, outside of the said corporate limits, be ratified and confirmed.

It appearing to the satisfaction of the Board, that there existed a clerical error in the contract made with John Abbott for constructing two miles of Swamp Land State Road, on the Almont and Cass River State Road, whereby it was agreed that the said John Abbott should be entitled to two sections for the two miles of road instead of two sections to the mile : it was

*Ordered*, That said contract should be so construed as to entitle said contractor to two (2) sections per mile.

## PORT AUSTIN AND SANILAC STATE ROAD.

Port Austin  
and Sanilac.

The account of Watson Beach, Local Commissioner, was allowed at one hundred and sixty-five dollars and sixty cents.

## SANILAC AND HURON STATE ROAD.

Sanilac and  
Huron.

The account of Charles Decker, Local Commissioner, was allowed at two hundred and sixty dollars and sixty cents.

Whereupon, the Board adjourned.

---

TENTH MEETING.

*Lansing, November 28, 1867.*

The Board met at the office of the Secretary of State.

Present:

Hon. B. D. Pritchard, Com'r State Land Office,

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,

Hon. O. L. Spaulding, Secretary of State.

On motion,

Hon. B. D. Pritchard was chosen Chairman *pro tem.*

## ALMA AND CLINTON STATE ROAD.

Alma and  
Clinton.

The following acceptances of contracts by Local Commissioners were approved on the recommendation of the S. L. S. R. Commissioner:

The contract of James Kress, in full.

The contract of S. Moody, in full.

- The contract of Jacob Holmes, in full.
- The contract of J. Q. A. Johnson, in full, No. 27.
- The contract of Albert A. Preston, in full.
- The contract of Wm. B. Hoag, in full.
- The contract of J. Berger, in full.
- The contract of L. G. White, in full.
- The contract of J. J. Sandall, in full.
- The contract of L. G. White, in full.
- The contract of Alfred Willey, in full.
- The contract of Aaron Wessells and Thomas Campbell, in full.
- The contract of J. Q. A. Johnson, in full, No. 40.
- The contract of J. Barnhart, in full.
- The contract of J. B. Allen, in full.
- The contract of E. P. Plowman, in full.
- The contract of Jesse Hutchinson, in full.
- The contract of James Campbell, in full.
- The contract of Stephen Thomas, in full.
- The contract of John W. Doan, in full, No. 14.
- The contract of Samuel Woodworth, in full.
- The contract of John Thomas, in full.
- The contract of J. Tompkins, in full.
- The contract of John W. Doan, in full, No. 15.
- The contract of J. & J. Bowers, in full.
- The contract of David Bailey, in full.
- The contract of E. H. Brooks, in full.
- The contract of L. H. Parsons, in full.

Ithaca and  
Alma.

#### ITHACA AND ALMA STATE ROAD.

The following acceptances of contracts by Local Commissioners, on the Ithaca and Alma State road, were approved on the recommendation of the S. L. S. R. Commissioner:

- The contract of C. Hubbard, in full.
- The contract of Edgar J. Young, in full.
- The contract of Francis Nelson, in full.

## SAGINAW, GRATIOT, AND NEWAYGO STATE ROAD.

Saginaw,  
Gratiot and  
Newaygo.

The following acceptances by Local Commissioners of contracts on the Saginaw, Gratiot, and Newaygo State road, were approved on the recommendation of the S. L. S. R. Commissioner:

The contract of Hamilton Pritchard, in full.

The contract of Solomon Lapaugh, in full.

The contract of Ira Amsbury, in full.

The contract of N. P. Watts, in full.

The contract of Edwin Adams, in full.

The contract of Moulton & Sweeting, in full.

The contract of Josiah F. Lathrop, in full.

The contract of G. E. Kress, in full.

The contract of Wm. Tefey, in full.

Also the following acceptances by Local Commissioners of contracts in the Eastern Division of the Port Huron, Bay City, and Lansing State road, were approved:

East Division  
Port Huron, Bay  
City and  
Lansing.

The contract of Elias Steele, from the fifty-eighth to the fifty-ninth mile stake.

The contract of Elias Steele, for the fourth quarter of the fifty-eighth mile; the first three-fourths of the fifty-fifth mile, and the fourth quarter of the fifty-fourth mile.

The contract of Elias Steele, for the sixtieth section.

Also the following acceptance by the Local Commissioner, of a contract on the western division of the Port Huron, Bay City, and Lansing State road, was approved:

West Division  
Port Huron, Bay  
City and  
Lansing.

The contract of R. G. Hillyer, from section post No. 3, to section post No. 4.

The following acceptances by Local Commissioners of contracts on different roads, were approved on the recommendation of the S. L. S. R. Commissioner:

## CAPAC AND CLYDE STATE ROAD.

Capac and  
Clyde.

The contract of John Phelps, for two miles.



Port Sanilac  
and Tuscola.

PORT SANILAC AND TUSCOLA STATE ROAD.

The contract of Martin Moore, from post No. 14, to post No. 21½.

The contract of David M. Black, for one mile, under contract No. 14.

The contract of Wm. A. Heartt, for one mile, under contract No. 7.

Tuscola and  
Saginaw Bay.

TUSCOLA AND SAGINAW BAY STATE ROAD.

The contract of William Wills, from mile stake No. 12½, to mile stake No. 13½, and from mile stake No. 14½, to mile stake No. 15½.

The contract of Phillip Housinger, from mile stake No. 15½, to mile stake No. 16½.

Newaygo  
and Dayton.

NEWAYGO AND DAYTON STATE ROAD.

The contract of Edgar L. Gray, for cross-waying 172½ rods.

The contract of Edgar L. Gray & John W. Rochester, for cutting out four rods wide, and clearing two rods wide, of three miles of said road, commencing eighty rods south of the N. E. corner of Sec. 18, T. 15 N., of R. 14 W.

Newaygo  
and North-  
port.

NEWAYGO AND NORTHPORT STATE ROAD.

The contract of Edgar L. Gray, of ten miles from the S. W. corner of Sec. 31, in township 15 N., of R. 11 W., to the S. W. corner of Sec. 18, in T. 16 N., of R. 11 W.

The contract of Edgar L. Gray, of two and one-half miles from S. W. corner of Sec. 18, in township 14 N., of R. 11 W., to the W. quarter stake of Sec. 6, in said township.

The contract of J. M. Cook & Co., for building a bridge over Pine river, and 2 miles of road, one mile each side of Pine river.

## SANILAC AND HURON STATE ROAD.

Sanilac and  
Huron.

The contract of Albert Pack, of the seventh section of said road.

## BRIDGTON AND OSCEOLA STATE ROAD.

Bridgeton  
and Osceola.

The contract of Duncan McLellan, of five miles.

The contract of Harvey Monroe and James Crofoot, for the north five, and south three miles.

## DITCH IN SANILAC COUNTY.

Ditch in  
Sanilac  
county.

The contract of Orwin Adams, of the eighth, ninth, and tenth miles.

The account of J. C. Waterbury, Special Agent, was allowed at nine dollars, and ordered paid in Swamp Land.

## ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

Allegan,  
Muskegon,  
and Traver-  
se Bay.

The account of Wm. L. Sprague, Local Commissioner, was allowed at ninety-nine dollars, and ordered paid in Swamp Land.

## DITCH FROM MAPLE RIVER TO BAD RIVER.

Ditch from  
Maple river  
to Bad river.

The bond of James Russell was approved.

## GENESEE AND TUSCOLA STATE ROAD.

Genesee and  
Tuscola.

The bond of Paschal Richardson was approved.

## PORT HURON, BAY CITY, AND LANSING STATE ROAD.

Port Huron,  
Bay City  
and Lansing.

On the recommendation of the S. L. S. R. Commissioner, the route of this road on Sec. 33, in the township of Dayton, Tuscola county, was changed to correspond with a survey and profile on file in the office of said Commissioner.

On motion, the Board adjourned.

## ELEVENTH MEETING.

*Lansing, December 12, 1867.*

The Board met at the office of the Secretary of State.

Present :

Hon. B. D. Pritchard, Commissioner State Land Office,

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,

Hon. O. L. Spaulding, Secretary of State.

On motion,

Hon. B. D. Pritchard was chosen chairman *pro tem*.

On the recommendation of the S. L. S. R. Commissioner, the following acceptances, by Local Commissioners, of contracts on the Cass river and Bay City State road, were approved :

Cass river  
and Bay City

## CASS RIVER AND BAY CITY STATE ROAD.

The contract of E. R. Garlick, from the quarter post on the N. side of Sec. 2, in T. 14 N., of R. 8 E., to Unionville school house.

The contract of E. R. Garlick, from the W. line of Sec. 3, in T. 14 N., of R. 8 E., to the end of contract No. 1.

The contract of E. R. Garlick, from a stake ten feet E. of the quarter post, on the N. line of Sec. 8, in T. 14 N., of R. 9 E., to the N. W. corner of Sec. 10, in same township.

The contract of Ambrose Hill, from the N. W. corner of Sec. 10, in T. 14 N., of R. 9 E., to a point  $1\frac{1}{2}$  miles east.

On the recommendation of the S. L. S. R. Commissioner, the following acceptances, by Local Commissioners, of contracts on different roads, were approved :

Englishville  
and Croton.

## ENGLISHVILLE AND CROTON STATE ROAD.

The acceptance of the contract of Wm. A. Wartrous, from the seventh mile post on said road, to the ninth mile post.

The acceptance of the contract of Joseph English, for the south five miles.

## LAPEER AND TUSCOLA STATE ROAD.

Lapeer and  
Tuscola.

The acceptance of the contract of Hiram Curtis, from the S. E. corner of Sec. 23, thence N. to the quarter line on the E. side of Sec. 11, in T. 10 N., of R. 10 E.

## SANILAC AND HURON STATE ROAD.

Sanilac and  
Huron.

The acceptance of the contract of Arthur Carson, of sections fifteen, sixteen, and seventeen.

## SAGINAW AND GRATIOT STATE ROAD.

Saginaw and  
Gratiot.

The acceptance of the contract of James Gargett, entire.

## PORT HURON, BAY CITY, AND LANSING STATE ROAD—EAST-ERN DIVISION.

Eastern Di-  
vision—  
Port Huron,  
Bay City  
and Lansing.

The acceptance of the contract of Elias Steele, of the first three-fourths of the fifty-fourth mile of said road.

## PORT AUSTIN AND SANILAC STATE ROAD.

Port Austin  
and Sanilac.

The acceptance of the contract of John Cole of the tenth mile.

## NEWAYGO AND NORTHPORT STATE ROAD.

Newaygo  
and North-  
port.

The acceptance of the contract of J. M. Cook & Co., of the sixty-second and sixty-third miles, and a bridge across Pine river.

## MUSSEY DITCH.

Mussey  
Ditch.

The acceptance of the entire contract of John Q. Felt.

## WISCONSIN AND LAKE SUPERIOR STATE ROAD EXTENSION.

Wisconsin  
and Lake  
Superior.

The bond of James P. Pendell was approved.

On motion, the Board adjourned.

PROCEEDINGS OF THE  
TWELFTH MEETING.

*Lansing, January 2, 1868.*

The Board met at the office of the Secretary of State.

On motion,

Hon. Wm. Humphrey was chosen chairman *pro tem*.

Allegan,  
Muskegon,  
and Traver-  
se Bay.

ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

On motion, it was

*Ordered*, That the line of said road, in T. 13 and 14 N., of R. 17 W., be changed, so as to conform to the minutes of survey and profile on file in the office of the S. L. S. R. Commissioner.

On the recommendation of the S. L. S. R. Commissioner, the following acceptances by Local Commissioners, of contracts on said road, were approved:

The acceptance of the entire contract of Nelson Green.

The acceptance of the contract of Stephen C. Hall, from a point eight rods southerly from the quarter post, between Sec. 20 and 21, in T. 12 N., of R. 17 W., to N. W. corner section post of said town.

On the recommendation of the S. L. S. R. Commissioner, the following acceptances by Local Commissioners, of contracts on their respective roads, were approved:

Midland and  
Isabella.

MIDLAND AND ISABELLA STATE ROAD.

The acceptance of the contract of Irving E. Arnold, from surveyor's post No. 25, to surveyor's post No. 26.

Emmet and  
Grand Traver-  
se.

EMMET AND GRAND TRAVERSE STATE ROAD.

The acceptance of the entire contract of M. L. Leach, No. two.

Emmet and  
Grand Traver-  
se.

EMMET AND GRAND TRAVERSE STATE ROAD.

The acceptance of the remainder of the contract of D. C. Leach.

## INGHAM AND CLINTON STATE ROAD.

Ingham and  
Clinton.

The acceptance of the contract of C. C. Darling.

## ST. LOUIS AND PINE RIVER STATE ROAD.

St. Louis  
and Pine  
river.

The acceptance of the contract of Orson Briggs.

## NORTH SHORE DITCH—CLINTON COUNTY.

North Shore  
Ditch.

The acceptance of the contract of Stephen Pearl.

The acceptance of the contracts (two) of Henry M. Perrin.

## EAST SAGINAW AND JUNCTION STATE ROAD.

East Sagi-  
naw and  
Junction.

The acceptance of the contract of Byron B. Buckhout, commencing at the S. W. corner of Sec. 16, in T. 12 N., of R. 5 E., running thence east on the south line of said Sec. to the S. E. corner of said section.

## GREENVILLE AND BIG RAPIDS STATE ROAD.

Greenville  
and Big  
Rapids.

The acceptance of the contract of J. B. Barr, from the N. E. corner of Sec. 20, in T. 13 N., of R. 8 W., to the quarter post on the north side of Sec. 19; also, from the quarter post on the west side of Sec. 18 of said township, to a post fifty rods S. E. of said quarter post.

The acceptance of the contract of J. B. Barr, from the quarter post on the west side of Sec. 18, in T. 13 N., of R. 8 W., to a point on said road,—being one and one-half miles.

## MISHTEGAY DITCH.

Mishtegay  
Ditch.

The acceptance of the contract of E. B. Ward.

## BIG RAPIDS AND GRAND RAPIDS STATE ROAD.

Big Rapids  
and Grand  
Rapids.

The acceptance of the contract of E. L. Gray, (No. 8) to build a bridge over Tamarack creek.

The acceptance of the contract of E. L. Gray, assigned to J. D. Borden, to build a bridge over Little Muskegon river.

Genesee and  
Tuscola.

# GENESEE AND TUSCOLA STATE ROAD.

The acceptance of the contract of John Bodine, from Denmark to the southern terminus of said road.

On motion, the Board adjourned.

## THIRTEENTH MEETING.

*Lansing, January 17, 1868.*

The Board met at the office of the Secretary of State.

Present:

Hon. Henry H. Crapo, Governor,

Hon. E. O. Grosvenor, State Treasurer,

Hon. B. D. Pritchard, Com'r State Land Office,

Hon. O. L. Spaulding, Secretary of State.

Englishville  
and Croton.

# ENGLISHVILLE AND CROTON STATE ROAD.

On motion, it was

*Ordered,* That the route of this road be changed so as to conform to the profile on file in the office of the Commissioner of the State Land Office.

Allegan,  
Muskegon  
and Traverse  
Bay.

# ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

On motion, it was

*Ordered,* That the S. L. S. R. Commissioner issue his order for the payment of the account of T. W. White, heretofore allowed at nineteen dollars.

On the recommendation of the S. L. S. R. Commissioner, the contract of J. Gilbert & Jeremiah Arn was canceled.

On the recommendation of the S. L. S. R. Commissioner, it was

*Ordered,* That the route of this road in T. 15 N., of R. 17 W., be changed so as to conform with the profile and field notes on file in the office of the said S. L. S. R. Commissioner.

## MACKINAC AND DELTA STATE ROAD.

Mackinac  
and Delta.

On the recommendation of the S. L. S. R. Commissioner, the contract of Charles T. Harvey was canceled.

## BAY DE NOC AND GREEN BAY STATE ROAD.

Bay De Noc  
and Green  
Bay.

On the recommendation of the S. L. S. R. Commissioner, the contract of Charles T. Harvey was canceled.

## MARQUETTE AND LITTLE BAY DE NOC STATE ROAD.

Marquette  
and Little  
Bay De Noc

On the recommendation of the S. L. S. R. Commissioner, the contract of Albert Day was canceled.

## ONTONAGON AND STATE LINE STATE ROAD.

Ontonagon  
and State  
Line.

The account of Daniel Beaser, Local Commissioner, for surveying the road, was allowed at two hundred and four dollars.

## SAGINAW AND OWOSSO STATE ROAD.

Saginaw and  
Owosso.

The account of J. B. Barnes, as Local Commissioner, was allowed at nine dollars.

On motion, the Board adjourned.

---

FOURTEENTH MEETING.

*Lansing, January 30, 1868.*

The Board met at the office of the Secretary of State.

Present:

Hon. Henry H. Crapo, Governor,

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,



Hon. B. D. Pritchard, Com'r of State Land Office,  
Hon. O. L. Spaulding, Secretary of State.

Ionia,  
Houghton  
Lake and  
Mackinac.

#### IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, it was

*Ordered*, That the route of this road be changed in accordance with a survey and profile deposited and filed in the office of the said S. L. S. R. Commissioner, January 29, 1868.

Sanilac and  
Bay.

#### SANILAC AND BAY STATE ROAD.

The Hon. A. C. Maxwell appeared before the Board on behalf of James J. McCormick, contractor, and asked for a reconsideration of the action of the Board, taken October 30, 1867, in declaring his contract inoperative and void as to that part of the said road lying within the village of Portsmouth.

On motion, it was

*Resolved*, That the Board see no reason to change their former action.

On the recommendation of the S. L. S. R. Commissioner, the following acceptances by Local Commissioners of different contracts were approved.

Ditch from  
Maple river  
to Bad river.

#### DITCH FROM MAPLE RIVER TO BAD RIVER.

The acceptance of the contract of George Peacock & Joseph Voorhies, from the north bank of Maple river to section stake No. 1, one mile, was approved; also, the acceptance of the contract of the same parties, from stake No. 1, to stake No. 2, was approved.

East Saginaw  
and  
Junction.

#### EAST SAGINAW AND JUNCTION STATE ROAD.

The acceptance of the contract of Byron B. Buckhout, for one mile, commencing at the N. E. corner of Sec. 23, in T. 12 N., of R. 5 E., and running west on the section line between Sec. 13 and 14, to the N. W. corner of Sec. 23, was approved.

The acceptance of the contract of Byron B. Buckhout, for one-half mile, commencing at the N. W. corner of Sec. 24, in township 12 N., of R. 5 E., and running west to the quarter line of said section, was approved.

## PORT SANILAC AND TUSCOLA STATE ROAD.

Port Sanilac  
and Tuscola.

The acceptance of the contract of Martin Moore (No. 6), from a stake twenty-one and one-half miles from Lake, west one and one-half miles, was approved.

## EAST SAGINAW AND SAUBLE RIVER STATE ROAD.

East Saginaw  
and  
Sauble river

The bond of John F. Willey, Local Commissioner on said road, was approved.

## PORT HURON, BAY CITY, AND LANSING STATE ROAD.

Port Huron,  
Bay City  
and Lansing.

The claims of Zara E. Spencer and Adam Reitz, for damages by reason of the building of said road through their lands on the award of the Local Commissioner, were allowed as follows:

The claim of Zara E. Spencer, at forty dollars.

The claim of Adam Reitz, at fifty dollars.

## OVID AND ST. CHARLES STATE ROAD.

Ovid and St.  
Charles.

A petition, for change of route, was received and referred to the S. L. S. R. Commissioner.

## ALMONT AND CASS RIVER STATE ROAD.

Almont and  
Cass river.

The account of John C. Emery, as Local Commissioner, was allowed at ninety-nine dollars.

## INGHAM AND CLINTON STATE ROAD.

Ingham and  
Clinton.

The account of M. Miles, Local Commissioner, for two hundred and five dollars and fifty cents, was allowed in full.

Allegan,  
Muskegon,  
and Traver-  
se Bay.

# ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by the Local Commissioner of the contract of Hiram Colburn, from the south line of town 14 N., of R. 17 W., to Shelby, was approved.

Western Di-  
vision—  
Traverse Bay  
and Midland  
City.

# WESTERN DIVISION—TRAVERSE BAY AND MIDLAND CITY STATE ROAD.

The location, survey, and profile of this road, as surveyed and platted by George E. Steel, and deposited in the office of the S. L. S. R. Commissioner, was adopted.

Ionia,  
Houghton  
Lake and  
Mackinac.

# IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD.

The account of Wm. Broomfield, Local Commissioner on said road, was allowed at one hundred and twenty dollars.

On motion, the Board adjourned.

---

## FIFTEENTH MEETING.

*Lansing, February 27, 1868.*

The Board met at the office of the Secretary of State.

Present:

Hon. B. D. Pritchard, Commissioner State Land Office,

Hon. E. O. Grosvenor, State Treasurer,

Hon. W. L. Stoughton, Attorney General,

Hon. O. L. Spaulding, Secretary of State.

Alma and  
Clinton.

# ALMA AND CLINTON STATE ROAD.

The following preambles and resolutions were adopted:

*Whereas*, It appears that the S. L. S. R. Commissioner, through his clerk, has certified to the Auditor General that certain acceptances on the Alma and Clinton State Road

should be paid in lands only lying in Gratiot, Isabella, and Mecosta counties, viz: One in favor of J. J. Sandal, for three hundred dollars, on page 78 of Land Office Receipt Book; one in favor of S. Thomas, for two hundred dollars, on page 79 of said book; one in favor of E. P. Plowman, for four hundred dollars, on page 80 of said book; one in favor of Jacob Holmes, for three hundred dollars, on page 82; one in favor of H. C. Ripley, assignee of Gordis Smith, for four hundred dollars, on page 92; one in favor of L. H. Parsons, for four hundred dollars, on page 106; and one in favor of J. Hutchinson, for one thousand dollars, on page 117; and,

*Whereas*, It appears that Attorney General Williams so construed the law making the appropriation for this road, that lands were to be taken anywhere in the Lower Peninsula, and the written opinion of Attorney General Stoughton, filed in the office of said Road Commissioner, is to the same effect; and,

*Whereas*, The contracts were let in accordance with such construction of the law; and,

*Whereas*, It is the judgment of this Board that such is the true construction of the law (being Act No. 46, of 1864, and Acts amendatory thereto); therefore,

*Resolved*, That the Commissioner of the State Land Office in paying the amounts due on the above named acceptances, shall allow lands to be taken anywhere in the Lower Peninsula from any of the State Swamp Land which are in market. And the S. L. S. R. Commissioner is hereby instructed to draw his certificates on all acceptances on this road for lands to be taken in the Lower Peninsula.

CASS RIVER AND BAY CITY STATE ROAD.

Cass river  
and Bay City

*Whereas*, It appears from the affidavit of H. C. Marvin, and others, that an error was made in drawing the contract of Ambrose Hill, whereby only 1,920 acres of land were appropriated for building the three miles of road specified in said

contract, as appears from said contract, where, in fact, it was intended to appropriate 2,080 acres for the building of said road, and the contract was actually let to said Hill for that amount; therefore,

*Resolved*, That the amount of 160 acres be appropriated to said Hill in addition to the amount already received by him (1,920 acres) on said contract, and that the S. L. S. R. Commissioner be, and is hereby authorized to draw his certificate therefor.

Saginaw and  
Gratiot.

#### SAGINAW AND GRATIOT STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contract of Henry A. Weaver for one mile of said road, being Sec. 10 of said road, was approved.

On the recommendation as above, the contracts of A. J. Ladbetter, of Henry Weaver (unfinished part, being one mile of Sec. 9, of said road), of A. Wendall, and of Lewis M. Clark, were canceled.

Port Huron,  
Bay City,  
and Lansing

#### PORT HURON, BAY CITY, AND LANSING STATE ROAD.

On the recommendation as above, the contract of A. L. Bailey and Wm. M. Reeves, for sections five, six, and seven, of said road, was canceled.

Ionis and  
Smyrna.

#### IONIA AND SMYRNA STATE ROAD.

The bond of Richard Vasper, Local Commissioner on said road, was approved.

First Division—Green  
Bay and Bay  
De Noc.

#### FIRST DIVISION—GREEN BAY AND BAY DE NOC STATE ROAD.

The bond of Josiah R. Brooks, Local Commissioner on said road, was approved.

SECOND DIVISION—GREEN BAY AND BAY DE NOC STATE  
ROAD.Second Di-  
vision—  
Green Bay  
and Bay De  
Noc.

The bond of Eli P. Boyce, Local Commissioner on said road,  
was approved.

## PORT HURON, BAY CITY, AND LANSING STATE ROAD.

Port Huron,  
Bay City,  
and Lansing.

The re-survey and profile of said road, between St. Louis  
and Midland, filed February 19, 1868, in the office of the S. L.  
S. R. Commissioner, was approved.

On motion, the Board adjourned.

## SIXTEENTH MEETING.

*Lansing, April 1, 1868.*

The Board met at the office of the Secretary of State.

Present:

Hon. B. D. Pritchard, Commissioner State Land Office,

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,

Hon. O. L. Spaulding, Secretary of State.

On motion,

Hon. B. D. Pritchard was chosen Chairman *pro tem*.

Hon. T. North appeared before the Board and asked for an  
additional appropriation for the purpose of enlarging the  
ditches on the line of the Tuscola and Saginaw Bay State Road;  
and, it appearing to the Board that the appropriation was  
needed, it was resolved to appropriate for the purpose asked  
for, the remaining unappropriated Swamp Land in Tuscola  
county, being 1,437 acres, to be expended under the direction  
of the S. L. S. R. Commissioner.

On motion of Hon. Wm. Humphrey, the following resolution  
was adopted:

*Resolved*, That all contracts that by their terms expired on or before December 31, 1867, be canceled, to take effect July 1st, 1868, unless evidence be furnished this Board by that date, that the work is being performed in accordance with the late circular of the S. L. S. R. Commissioner, and that notice of this action be given to the contractors by the S. L. S. R. Commissioner.

The application of George W. Pack, was received, asking permission to release certain lands heretofore reserved by him in Huron county, and to select them in the State at large.

On motion, it was resolved that the permission be not granted.

Ovid and St.  
Charles.

#### OVID AND ST. CHARLES STATE ROAD.

The application of certain parties in Gratiot county was received, asking for a change of route of said road, but on the recommendation of the S. L. S. R. Commissioner, it was not granted.

Montcalm  
and Gratiot.

#### MONTCALM AND GRATIOT STATE ROAD.

The bond of Wilson Homer, Local Commissioner, was approved.

St. Mary's  
river and  
Mackinac.

#### ST. MARY'S RIVER AND MACKINAC STATE ROAD.

The bond of Edward Ashman, Local Commissioner on said road, was approved.

Big Rapids  
and Grand  
Rapids.

#### BIG RAPIDS AND GRAND RAPIDS STATE ROAD.

The contract (No. 6) of A. F. & H. J. Orton, was canceled, except that part which relates to the bridge over the Little Muskegon river.

On the recommendation of the S. L. S. R. Commissioner, contract No. 7 on said road, made with Samuel Bailey, was canceled.

## ALMA AND CLINTON STATE ROAD.

Alma and  
Clinton.

The remonstrance of citizens of Isabella county, accompanied by four affidavits, was received, remonstrating against the payment of the contract of Samuel Woodworth. On motion, it was referred to the S. L. S. R. Commissioner.

## MUSKEGON AND CEDAR SPRINGS STATE ROAD.

Muskegon  
and Cedar  
Springs.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contract of Wm. A. Parks, assignee of A. Thompson, of three and one-half miles from the N. W. corner of Sec. 30, in township 10 N., of R. 15 W., to a point three and one-half miles easterly, was approved.

## MINERAL RANGE STATE ROAD.

Mineral  
Range.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contract of Keweenaw county of two miles of road, from the middle of the thirty-seventh to the middle of the thirty-ninth mile, was approved.

## CASS RIVER AND BAY CITY STATE ROAD.

Cass River  
and Bay  
City.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contract of John Mast of one-half mile from the N. W. corner of Sec. 8, in township 14 N., of R. 9 E., to a stake 10 feet E. of the quarter post on the N. line of Sec. 8., was approved.

## MISHTEGAY DITCH.

Mishtegay  
Ditch.

On the recommendation of the S. L. S. R. Commissioner, the account of Rufus P. Mason, Local Commissioner, for ninety-three dollars, was allowed at sixty-eight dollars.



East Saginaw and Sauble.

#### EAST SAGINAW AND SAUBLE STATE ROAD.

The account of Goddard and Guild, surveyors, certified to by J. F. Willey, Local Commissioner, for six hundred and eighty-four dollars and eighty-eight cents, was allowed, on the recommendation of the S. L. S. R. Commissioner, at six hundred and forty-five dollars and eighty-eight cents.

Ontonagon and State Line.

#### ONTONAGON AND STATE LINE STATE ROAD.

On motion, the profile of said road, filed in the office of the S. L. S. R. Commissioner by Daniel Beaser, Local Commissioner on said road, was adopted.

Bridge over Au Sauble river.

#### BRIDGE OVER AU SAUBLE RIVER.

On motion, the plan of said bridge, filed in the office of the S. L. S. R. Commissioner, as drawn by Goddard and Guild, was adopted ;

And on motion, it was

*Resolved*, That the said bridge be built on the crossing shown by the lower diagram on the profile of Au Sauble river made by Goddard and Guild, and filed in the office of the S. L. S. R. Commissioner, the length of said bridge being two hundred and sixty feet.

On motion, the Board adjourned.

---

### SEVENTEENTH MEETING.

*Lansing, June 3, 1868.*

The Board met at the office of the Secretary of State.

Present :

Hon. B. D. Pritchard, Com'r State Land Office,

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,

Hon. O. L. Spaulding, Secretary of State.

On motion,

Hon. B. D. Pritchard was chosen chairman *pro tem*.

SAGINAW, GRATIOT, AND NEWAYGO STATE ROAD.

Saginaw,  
Gratiot and  
Newaygo.

On the recommendation of the S. L. S. R. Commissioner, the survey and profile of this road filed in the office of the S. L. S. R. Commissioner, were adopted: So much as refers to the six miles next east of the intersection of this road, with the Ionia and Houghton road.

GREENVILLE AND BIG RAPIDS STATE ROAD.

Greenville  
and Big  
Rapids.

On the recommendation of the S. L. S. R. Commissioner, the route of this road was changed in accordance with field notes made June 21, 1867, and filed in the office of the S. L. S. R. Commissioner, June 3, 1868: The petitioners for said change to furnish profile of said line to said Commissioner without expense to the State, on or before the first Wednesday of July, 1868.

ALMA AND CLINTON STATE ROAD.

Alma and  
Clinton.

On the recommendation of the S. L. S. R. Commissioner, a diagram of this road between Alma and Maple Rapids, filed May 21, 1868, was adopted.

SAGINAW, GRATIOT, AND NEWAYGO STATE ROAD.

Saginaw,  
Gratiot and  
Newaygo.

The account of Daniel Miller for services as ax-man on survey of road, allowed at \$36 00.

The account of Linden George for services as lead chain-man in surveying on said road, was allowed at \$50 00.

The account of Stephen Dean for services as flag-man in surveying said road, was allowed at \$36 00.

The account of S. S. Hastings, as engineer on said road, and for cash disbursements, was allowed at \$165 00.

The account of James Dean for services as chain-bearer in surveying said road, was allowed at \$36 00.

The account of Marvin Elder for services as chain-bearer in surveying said road, was allowed at \$33 75.

Extension of  
Capac and  
Clyde.

#### EXTENSION OF THE CAPAC AND CLYDE STATE ROAD.

A survey and diagram made by O. S. Burgen and recommended by the S. L. S. R. Commissioner June 3, 1868, was adopted.

Bridge over  
Menominee  
river.

#### BRIDGE OVER MENOMINEE RIVER.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by the Board of Supervisors of Menominee Co. of the contract of S. M. Stephenson & Co., was approved.

Port Austin  
and Sanilac.

#### PORT AUSTIN AND SANILAC STATE ROAD.

The account of C. B. Cottrell, Local Commissioner, was allowed at \$73 90.

Allegan and  
Lake Shore.

#### ALLEGAN AND LAKE SHORE STATE ROAD.

The account of W. B. Williams, Local Commissioner, was allowed at \$39 00.

Bay De Noc  
and Green  
Bay.

#### BAY DE NOC AND GREEN BAY STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by Local Commissioner, Joseph R. Brooks, of the remainder of the contract of E. S. Ingalls, being 17 miles, was approved.

Capac and  
Clyde.

#### CAPAC AND CLYDE STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of sections 1 and 2 of the contract of John Phelps, being two miles, was approved.

## OVID AND ST. CHARLES STATE ROAD.

Ovid and St.  
Charles.

The bond of J. D. Sickels, as Local Commissioner, was approved.

## ALLEGAN AND LAKE SHORE STATE ROAD.

Allegan and  
Lake Shore.

The account of John A. Kerr for advertising was allowed at \$6 30.

The account of D. C. Henderson & Co., for advertising, was allowed at \$30 80.

## THIRD DIVISION OF THE ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

Third Division of Allegan, Muskegon and Traverse Bay.

The bond of L. H. Foster, Local Commissioner, was approved.

## CLIO AND CHESANING STATE ROAD.

Clio and  
Chesaning.

The bond of Henry James, Local Commissioner, was approved.

## SECOND DIVISION OF THE ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

Second Division of Allegan, Muskegon and Traverse Bay.

The bond of Stephen C. Hall, Local Commissioner, was approved.

## STATE ROAD FROM THE VILLAGE OF VIENNA SOUTH TO THE STATE LINE (IN MONROE COUNTY).

Road from village of Vienna, south to the State line.

The bond of Read M. Bingham, Local Commissioner, was approved.

On motion, the Board adjourned.

## EIGHTEENTH MEETING.

*Lansing, July 2, 1868.*

The Board met at the office of the Secretary of State.

Present:

Hon. B. D. Pritchard, Com'r State Land Office,

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,

Hon. O. L. Spaulding, Secretary of State.

On motion,

Hon. B. D. Pritchard was chosen Chairman *pro tem*.

Port Huron,  
Bay City,  
and Lansing.

## PORT HURON, BAY CITY, AND LANSING STATE ROAD.

The bond of J. F. Wiley, with Luther Westover and F. Fitzhugh as sureties, as Local Commissioner on that part of the road lying between Bay City and Midland City, was approved.

East Div-  
ision of  
Port Huron,  
Bay City,  
and Lansing.

## EASTERN DIVISION—PORT HURON, BAY CITY, AND LANSING STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contract of Elias Steele for one mile, from the 52d to the 53d mile stake, was approved.

Capac and  
Clyde.

## CAPAC AND CLYDE STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the entire contract of John Phelps was approved.

The account of A. B. Rawles, Local Commissioner on said road, was allowed at \$375 75.

Tuscola and  
Saginaw Bay

## TUSCOLA AND SAGINAW BAY STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the entire contract of John S. Moore was approved.

## EAST SAGINAW AND JUNCTION STATE ROAD.

East Saginaw and Junction.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contract of B. B. Buckhout for  $\frac{1}{2}$  mile from the N. W. corner of Sec. 23, easterly to the quarter post on the north side of said Sec., in T. 12 N., of R. 5 E., was approved;

Also,

The acceptance of the contract of the same person for the W.  $\frac{1}{2}$  mile; being from the N. E. corner of Sec. 23, T. 12 N., of R. 5 E., easterly to the quarter post of section 24, was approved;

Also,

The acceptance of the contract of the same person for the east  $\frac{1}{2}$  mile; being from the N. E. corner of Sec. 21, T. 12 N., of R. 6 E., west to the quarter post of said Sec., was approved.

## SAGINAW, GRATIOT, AND NEWAYGO STATE ROAD.

Saginaw, Gratiot, and Newaygo.

The account of J. F. Lathrop for payment made to Goddard and Guild for plan of bridge across Pine river, was allowed at \$10 00.

The profile, diagram, and field notes of said road, made by S. S. Hastings, in April, 1868, and now on file in the office of the S. L. S. R. Commissioner, was approved.

## IONIA AND VERMONTVILLE STATE ROAD.

Ionia and Vermontville.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contract of Rich, Tower, and Beatty for five miles of road, commencing at a point in the centre of the east township line of Odessa, and ending five miles south from said point, on said line; upon which there has previously been paid \$2,052 83, was approved, leaving a balance due the contractors of \$1,947 17, which amount is hereby ordered to be paid to them.

**FIRST DIVISION—ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.**

First Division Allegan, Muskegon, and Traverse Bay.

The bond of Thomas Padgett, Local Commissioner, with Albertus Van Raalte and William J. Walker as sureties, was approved.

On motion, the Board adjourned till to-morrow at 9 A. M.

## NINETEENTH MEETING.

*Lansing, July 3, 1868.*

The Board met at the office of the Secretary of State according to adjournment.

Present: Same members of the Board as on yesterday.

Ontonagon and State Line.

### ONTONAGON AND STATE LINE STATE ROAD.

Hon. Wm. Humphrey moved a reconsideration of the action of the Board adopting profile of said road, April 1, 1868, which motion prevailed.

Hon. Wm. Humphrey then moved that the matter lie on the table, which was carried.

Duncan, Alpena and Sauble River.

### DUNCAN, ALPENA, AND SAUBLE RIVER STATE ROAD.

*Ordered,* That the operation of the resolution of April 1st, 1868, canceling certain contracts not completed by July 1st, be suspended as to the contract of Geo. N. Fletcher, for bridge over Thunder Bay river.

Ditch in Sanilac Co., known as Elk Creek Ditch.

### DITCH IN SANILAC COUNTY, KNOWN AS ELK CREEK DITCH.

*Ordered,* That the operation of said resolution of April 1st, 1868, be suspended as to contract of O. Adams, lately assigned to John L. Woods.

## LEXINGTON AND FLINT RIVER STATE ROAD.

Lexington  
and Flint  
River.

*Ordered*, That the operation of the said resolution of April 1st, 1868, be suspended as to contracts of Patrick Fox, assigned to John L. Woods, being Nos. 23 and 24.

## PORT AUSTIN AND SANILAC STATE ROAD.

Port Austin  
and Sanilac.

*Ordered*, That contract No. 9, of O. Adams, be, and the same is hereby canceled.

## MINERAL RANGE STATE ROAD.

Mineral  
Range.

The account of D. D. Brockway, Local Commissioner, for services rendered, was allowed at \$120 00.

## DITCH IN SANILAC COUNTY.

Ditch in  
Sanilac Co.

*Ordered*, That the contract for constructing a ditch from the south line of Sec. 19, in T. 12 N., of R. 15 E., in the county of Sanilac, to the N. line of Sec. 23, in T. 13 N., of R. 14 E., in said county of Sanilac, and State of Michigan, made by John C. Waterbury, special agent on the part of the State of Michigan, with Volney A. Ripley as principal, Lorenzo M. Mason and Nathan Reeves as sureties, on the 25th day of August 1860, be, and the same is hereby declared forfeited, and L. B. Curtis, special agent of the State, is authorized and instructed by this Board, to immediately prosecute the bond given by said Ripley, Mason, and Reeves to the people of the State of Michigan, for the completion of the said contract.

## SAGINAW, GRATIOT, AND NEWAYGO STATE ROAD.

Saginaw,  
Gratiot and  
Newaygo.

A plan of bridge over Pine river, and a plan of bridge over Lake on section 8, of said road, drawn by Godard & Guild and deposited in the office of the S. L. S. R. Commissioner, was approved.



Bridgeton  
and Osceola.

# BRIDGETON AND OSCEOLA STATE ROAD.

*Ordered*, That the contract of Frank Bennet be, and the same is hereby canceled; except as to the two miles chopped out by him, and as to those two miles that the operation of the aforesaid resolution of April 1st, 1868, be suspended; provided that in the payment of said contract, the contractor receive such proportion of the contract price for the whole contract as the work on the two miles bears to the whole amount of work required on the twelve miles.

East Saginaw  
and Sauble river.

# EAST SAGINAW AND SAUBLE RIVER STATE ROAD.

The account of Wm. Smith, Local Commissioner on said road, was allowed at \$50 00.

Midland,  
Houghton  
Lake and  
Traverse  
Bay.

# MIDLAND, HOUGHTON LAKE, AND TRAVERSE BAY STATE ROAD.

The plan of bridge over the Tittabawassee river at Tobacco Forks, on file in the office of the S. L. S. R. Commissioner, was approved.

On motion, the Board adjourned to Monday, July 8th, at 9 o'clock A. M.

---

# TWENTIETH MEETING.

*Lansing, July 8, 1868.*

The Board met at the office of the Secretary of State according to adjournment.

Present:

Hon. B. D. Pritchard, Commissioner State Land Office,  
Hon. E. O. Grosvenor, State Treasurer,  
Hon. Wm. Humphrey, Auditor General,  
Hon. W. L. Stoughton, Attorney General,  
Hon. O. L. Spaulding, Secretary of State.

## NEWAYGO AND NORTHPORT STATE ROAD.

Newaygo  
and North-  
port.

*Ordered,* That the operation of the said resolution of April 1st, 1868, be suspended as to contract No. 22, of E. L. Gray.

## LEXINGTON AND FLINT RIVER STATE ROAD.

Lexington  
and Flint  
River.

*Ordered,* That the following contracts be, and the same are hereby canceled, viz :

No. 11, Fox & Vanstone contractors, dated August 10, 1859.  
No. 12, Jesse Van Camp contractor, dated August 10, 1859.  
No. 20, Archibald Earl contractor, dated July 22, 1861.  
Nos. 22, 23, and 24, Patrick Fox contractor, dated July 22, 1861.

No. 25, John L. Wood contractor, dated July 22, 1861.  
No. 26, Michael Flannery contractor, dated July 25, 1861.  
No. 27, David Gibbard contractor, dated July 25, 1861.  
No. 28, Andrew McAlpine contractor, dated July 25, 1861.  
No. 32, Richard Bryle contractor, dated July 26, 1861.  
No. 33, Henry Simmons contractor, dated July 26, 1861.  
No. 34, John Chase contractor, dated July 26, 1861.  
No. 35, Nicholas S. Shippey contractor, dated July 26, 1861.  
No. 7, William R. Stafford contractor, dated July 22, 1861.  
No. 10, Hobson & Cooper contractor, dated Nov. 30, 1865.  
No. —, Theodore Kirkbride contractor, dated June 1, 1859.  
No. —, Jacob Cooley contractor, dated July 22, 1861.  
No. —, Solmon Stone contractor, dated April 26, 1864;

Also,

*Ordered,* That the operation of the aforesaid resolution of April 1, 1868, be suspended as to the contract of John Wilson, dated February 14, 1866.

## DITCH FROM MAPLE RIVER TO BAD RIVER.

Ditch from  
Maple river  
to Bad river.

*Ordered,* That the operation of the aforesaid resolution of April 1, 1868, be suspended as to contract of George Peacock and Joseph Voorhies.

Genesee and  
Tuscola.

GENESEE AND TUSCOLA STATE ROAD.

*Ordered*, That the operation of the said resolution of April 1, 1868, be suspended as to contract of John Bodine.

Duncan and  
Alpena.

DUNCAN AND ALPENA STATE ROAD.

*Ordered*, That the operation of said resolution of April 1, 1868, be suspended as to contract No. 15.

Allegan,  
Muskegon  
and Traverse  
Bay.

ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

*Ordered*, That the contract of Wm. H. Parks, dated March 28, 1865, be, and the same is hereby canceled ;

Also,

That the contract of T. M. Russell, No. 4, dated December 28, 1860, be, and the same is hereby canceled.

Greenville  
and Big  
Rapids.

GREENVILLE AND BIG RAPIDS STATE ROAD.

*Ordered*, That the operation of said resolution of April 1, 1868, be suspended as to the contract of J. B. Barr, dated February 24, 1864.

New Haven  
and Fair-  
field.

NEW HAVEN AND FAIRFIELD STATE ROAD.

*Ordered*, On recommendation of the S. L. S. R. Commissioner, that the operation of the said resolution of April 1, 1868, be suspended as to the contract of Alexander Shelton, assigned to John Gallagher.

Mineral  
Range.

MINERAL RANGE STATE ROAD.

*Ordered*, That the operation of the said resolution of April 1, 1868, be suspended as to contract made by Keweenaw county.

Lapeer and  
Tuscola.

LAPEER AND TUSCOLA STATE ROAD.

*Ordered*, That the operation of said resolution of April 1, 1868, be suspended as to contract of Hiram Curtis.

## MIDLAND AND ISABELLA STATE ROAD.

Midland and  
Isabella.

*Ordered*, That the following contracts be, and the same are hereby canceled, viz:

No. 16, Wm. Thorlby contractor, dated April 6, 1863.

Nos. 17 and 18, D. Bowman contractor, dated April 6, 1863:

Also,

*Ordered*, That the contract of T. Carpenter, No. 15, be, and the same is hereby declared forfeited, and the S. L. S. R. Commissioner is hereby authorized and instructed to prosecute his bond given for the completion of the contract.

*Ordered further*, That the operation of said resolution of April 1, 1868, be suspended as to the following contracts on said road, viz:

Nos. 3 to 9, inclusive, of Wm. Thorlby, dated April 6, 1863.

Nos. 11 and 12, of John Larkin contractor.

No. 19, I. E. Arnold contractor, dated April 9, 1863.

No. 20, J. M. Hursh contractor.

## MUSKEGON AND CEDAR SPRINGS STATE ROAD.

Muskegon  
and Cedar  
Springs.

*Ordered*, That the contract of Abel Thompson, of which Wm. H. Parks is now assignee, be, and the same is hereby canceled.

## CASS RIVER AND BAY CITY STATE ROAD.

Cass River  
and Bay  
City.

*Ordered*, That the contract of J. F. Wiley, No. 8, be, and the same is hereby declared forfeited, and the S. L. S. R. Commissioner is hereby authorized and instructed to immediately prosecute the contractor and his sureties for non-performance of contract;

*Ordered further*, That the operation of the said resolution of April 1, 1868, be suspended as to the following contracts:

No. 4, Ambrose Hill contractor, dated December 2, 1865.

No. 6, Archibald Black contractor, dated December 2, 1865.

No. 7, Russell M. Lapree contractor, dated December 2, 1865.

No. 9, Milo P. Randall contractor, dated December 2, 1865.

Nos. 10 and 11, David M. Black contractor, dated December 2, 1865.

No. 12, J. P. Demorest contractor, dated December 2, 1865.

No. 13, King Allen contractor, dated December 2, 1865.

No. 14, Andrew C. Maxwell contractor, dated December 2, 1865.

No. —, Joshua Moe contractor, dated December 7, 1865.

Sanilac and  
Bay.

#### SANILAC AND BAY STATE ROAD.

*Ordered*, That the following contracts be, and the same are hereby declared forfeited, and the S. L. S. R. Commissioner is hereby authorized and instructed, to immediately prosecute the contractors and their sureties for non-performance of contract, viz:

So much of contract No. 2, as applies to the construction of Sec. 3, of said contract, which was made with Eber B. Ward, September 24, 1861.

Contract No. 4, except Sec. 11 of said contract, made with said Ward September 24, 1861.

So much of contract No. 5, as applies to sections 24 and 25 of said contract made with said Ward September 24, 1861;

And,

Contract No. 6, made with said Ward on the same date as above.

Almont and  
Cass river.

#### ALMONT AND CASS RIVER STATE ROAD.

*Ordered*, That the operation of said resolution of April 1, 1868, be suspended as to the following contracts, on the recommendation of the S. L. S. R. Commissioner, viz:

No. 12, Hugh McKenzie contractor, dated February 1, 1866.

No. 19, Cyrus H. Albertson contractor, dated October 20, 1866.

No. 16, John Abbot contractor, dated August 17, 1866.

No. 18, Daniel Mixter contractor, dated September 5, 1866.

*Ordered further,* That contract No. 13, Reuben F. Fletcher contractor, dated March 15, 1866, be, and the same is hereby declared canceled.

## PORT HURON, BAY CITY, AND LANSING STATE ROAD.

Port Huron,  
Bay City  
and Lansing.

*Ordered,* That the operation of said resolution of April 1, 1868, be suspended as to contract of Elias W. Smith;

Also,

As to the contract of Wm. Mercer.

## CLIO AND CHESANING STATE ROAD.

Clio and  
Chesaning

(Formerly Saginaw and Genesee State Road.)

*Ordered,* That the following contracts be, and the same are hereby declared canceled, viz:

Contract of Wm. Rolf, dated June 10, 1863.

Contract of Yates T. Cole, dated July 2, 1863.

## SANILAC AND TUSCOLA STATE ROAD.

Sanilac and  
Tuscola.

*Ordered,* That contract No. 9, made with Henry W. Birney, George Sampson, John McGregor, and Wm. Hannah be, and the same is hereby declared forfeited, and the S. L. S. R. Commissioner is hereby authorized and instructed to prosecute, without delay, the said contractors and their sureties for non-performance of contract;

*Ordered further,* That the operation of said resolution of April 1, 1868, be suspended as to contract No. 6, made with Martin Moore.

## DITCH IN SANILAC COUNTY—KNOWN AS ELK CREEK DITCH.

Ditch in  
Sanilac Co.,  
known as  
Elk Creek  
Ditch.

With regard to said ditch, the following preamble and resolution were adopted, viz:

*Whereas,* This Board has good reason to believe that all the facts were not fully before it when its action of July 3, was taken; therefore,

*Resolved*, That the contractor, John L. Woods, be instructed to suspend operations on said ditch, and that the parties interested in said contract appear before this Board, at its next meeting, August 3, 1868, to show cause, why said contract should not be canceled.

Sanilac and  
Huron.

SANILAC AND HURON STATE ROAD.

*Ordered*, That the operation of said resolution of April 1, 1868, be suspended as to the following contracts, viz :

No. 1, Peter Janett contractor, dated January 26, 1867.

No. 5, Joseph Heathcote contractor, dated January 26, 1867.

No. 6, Morris Coleman contractor, dated January 26, 1867.

No. 7, Alfred Gunning contractor, dated February 1, 1867.

Tuscola and  
Saginaw Bay

TUSCOLA AND SAGINAW BAY STATE ROAD.

*Ordered*, That the following contracts be, and the same are hereby declared forfeited, and the S. L. S. R. Commissioner is hereby authorized and instructed to prosecute the contractors and their sureties for non-performance of their contracts, viz :

Contract of Granger Allen, dated November 11, 1865; commencing at the 23½ mile stake on said road, in Tuscola county, and running to the 24½ mile stake.

Contract of David W. Atterbury, dated November 11, 1865, for the same work as the above contract of Allen's covered.

*Ordered further*, That the operation of the said resolution of April 1, 1868, be suspended as to the following contracts, viz :

Contract of Granger Allen and James G. Leffingwell, dated Nov. 11, 1867.

Contract of William Wills, dated November 11, 1867.

Contract of A. Black, dated November 11, 1867.

St. Louis  
and Pine  
river.

ST. LOUIS AND PINE RIVER STATE ROAD.

*Ordered*, That the operation of said resolution of April 1, 1868, be suspended as to contract of George Spayd.

## BIG RAPIDS AND GRAND RAPIDS STATE ROAD.

*Ordered*, That the operation of said resolution of April 1, 1868, be suspended as to the following contracts, viz:

Big Rapids  
and Grand  
Rapids.

Contract of Nelson Ganong, dated June 11, 1866.

Contract of George French, dated November 1, 1866.

## MONTCALM AND GRATIOT STATE ROAD.

Montcalm  
and Gratiot.

The account of Wilson Homer, Local Commissioner, for expenses of surveying and for disbursements, was allowed at \$231 60.

## CLIO AND CHESANING STATE ROAD.

Clio and  
Chesaning.

The profile and diagram of the survey of the road, as drawn by M. B. Stage, and deposited in the office of the S. L. S. R. Commissioner, was approved.

## STATE ROAD FROM VIENNA TO THE OHIO STATE LINE.

State Road  
from Vienna  
to Ohio  
State Line.

The survey and map on file in the office of the S. L. S. R. Commissioner, was approved.

## THIRD DIVISION—ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

Third Division—Allegan, Muskegon and Traverse Bay State Road.

The map and survey, deposited in the office of the S. L. S. R. Commissioner, was approved.

## PORTAGE RIVER STATE ROAD.

Portage  
River.

The account of William Page, Local Commissioner, for expenses of survey and for disbursements, was allowed at \$130 30.

## MIDLAND CITY, HOUGHTON LAKE, AND TRAVERSE BAY STATE ROAD.

Midland City, Houghton Lake and Traverse Bay.

The account of D. W. C. Leach, Local Commissioner, for laying out and establishing said road, was allowed at \$881 68.



## Akron Ditch

## AKRON DITCH.

*Ordered*, That the operation of said resolution of April 1, 1868, be suspended as to the following contracts, viz :

Nos. 1, 2, and 3, dated March, 1867.

No. 6, dated May 9, 1867, made with John S. Coy, and assigned to Chas. Lamerd.

No. 7, John S. Coy contractor, dated October, 1865, and assigned to said Lamerd.

No. 4, James A. Crowell contractor, dated February, 1867.

No. 5, Charles Curtis contractor, dated May 29, 1867.

On motion, the Board adjourned to to-morrow morning.

## TWENTY-FIRST MEETING.

*Lansing, July 9, 1868.*

The Board met at the office of the Secretary of State according to adjournment.

Present:

Same as on yesterday.

East Saginaw, Sauble river and Duncan.

EAST SAGINAW, SAUBLE RIVER, AND DUNCAN STATE ROAD.

The map and survey, as drawn by Godard and Guild, and deposited in the office of the S. L. S. R. Commissioner, were approved.

Big Rapids and Grand Rapids.

BIG RAPIDS AND GRAND RAPIDS STATE ROAD.

*Whereas*, From the records in the office of the S. L. S. R. Commissioner, it appears that E. L. Gray, a contractor on said road, by contract made January 12, 1863, agreed to build 21 miles upon said road, and,

*Whereas*, It appears that said contract was finally accepted Sept 9, 1864, for two miles, which with prior acceptances, amounted to 22 miles, being one mile more than was covered by his said contract ; therefore,

*Resolved*, That the matter be referred to the S. L. S. R. Commissioner for investigation, said Commissioner to report to this Board at an early day.

## AKRON DITCH.

Akron Ditch

*Ordered*, That the following contracts be, and the same are hereby declared canceled, viz:

- No. 1, Granger Allen contractor, dated May 7, 1864.
- No. 2, Martin Hall contractor, dated May 7, 1864.
- No. 3, Daniel Heenstrut contractor, dated May 7, 1864.
- No. 4, Lemuel Stone contractor, dated May 7, 1864.
- No. 5, Charles Curtis contractor, dated May 7, 1864.
- No. 6, J. S. Coy contractor, dated October 20, 1865.
- No. 7, J. S. Coy contractor, dated October 20, 1865.

## ENGLISHVILLE AND CROTON STATE ROAD.

Englehsville  
and Croton.

The bond of Wm. G. Stebbins, Local Commissioner, with Edwin Bradford and Chas. E. Belknap as sureties, was approved.

On motion, the Board adjourned.

---

TWENTY-SECOND MEETING.

*Lansing, August 26, 1868.*

The Board met at the office of the Secretary of State.

Present:

- Hon. E. O. Grosvenor, State Treasurer,
- Hon. Wm. Humphrey, Auditor General,
- Hon. B. D. Pritchard, Commissioner Land Office,
- Hon. O. L. Spaulding, Secretary of State.

On motion,

Hon. B. D. Pritchard was chosen chairman *pro tem*.

Allegan,  
Muskegon,  
and Traverse Bay.

#### ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, it was ordered that the route of the road in T. 6 N., of R. 15 W., be changed so as to conform with profile and survey of said road, this day filed in the office of the Commissioner aforesaid, with the original survey.

Allegan and  
Lake Shore.

#### ALLEGAN AND LAKE SHORE STATE ROAD.

The account of John A. Kerr & Co., for publishing the postponement of road letting, was allowed at \$7 00.

Montcalm  
and Gratiot.

#### MONTCALM AND GRATIOT STATE ROAD.

The survey of the road this day filed in the office of the S. L. S. R. Commissioner, was approved.

The account of S. S. Hastings, surveyor on said road, was allowed at \$60 00.

The account of Jno. O. Palmer, surveyor on said road, was allowed at \$45 00.

The account of Wilson Homer, Local Commissioner on said road, was allowed at \$137 44.

Capac and  
Clyde extension.

#### CAPAC AND CLYDE EXTENSION STATE ROAD.

The bond of Aaron B. Rawles, Local Commissioner, with Charles F. Malory and Elisha Calkins as sureties, was approved.

Saginaw and  
Owosso.

#### SAGINAW AND OWOSSO STATE ROAD.

The Bond of R. W. Beaman, Local Commissioner, with A. A. Brockway and D. H. Jerome as sureties, was approved.

Western Division—  
Alma and Clinton.

#### WESTERN DIVISION OF THE ALMA AND CLINTON STATE ROAD.

The bond of Milton Bradley, Local Commissioner, with Landon Bently and Isaac A. Fancher as sureties, was approved.

## SOUTHERN DIVISION OF THE ALMA AND CLINTON STATE ROAD.

Southern  
Division—  
Alma and  
Clinton.

The bond of James Gargett, Local Commissioner on said road, with M. Polasky and A. Gerington as sureties, was approved.

## ELK CREEK DITCH.

Elk Creek  
Ditch.

Messrs. J. C. Waterbury and J. L. Woods, having appeared before the Board, and made their statements in writing, by which it appears that the contractor has been using reasonable diligence to perform his contract, and on the recommendation of the S. L. S. R. Commissioner, who had previously examined the work, it was ordered that the resolution of July 8, be, and the same is hereby rescinded.

## OVID AND ST. CHARLES STATE ROAD.

Ovid and  
St. Charles.

On the recommendation of the S. L. S. R. Commissioner, the route of said road through sections 2 and 11, T. 9 N., of R. 1 W., was changed so as to correspond with the survey and plat this day filed in the office of the S. L. S. R. Commissioner.

On motion,

The Board adjourned to to-morrow at 9 o'clock A. M.

---

 TWENTY-THIRD MEETING.

*Lansing, August 27, 1868.*

Board met according to adjournment.

Present—same as yesterday.

## ALMA AND CLINTON STATE ROAD.

Alma and  
Clinton.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contract of Nelson Ives, was approved.

East Division—  
Port Huron,  
Bay City,  
and Lansing.

EASTERN DIVISION—PORT HURON, BAY CITY, AND LANSING  
STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contracts of Elias Steele from the 48th to the 50th, from the 50th to the 51st, and from the 51st to the 52d mile post; also, from the east end of the fourth quarter of the 55th mile, to the west end of the 3d quarter of the 56th mile, and from the 4th quarter of the 56th mile to the 1st quarter of the 57th mile, are hereby approved.

Sauble river  
Bridge.

SAUBLE RIVER BRIDGE.

The account of John A. Kerr & Co., for advertising, is hereby allowed at \$4 90.

Englishville  
and Croton.

ENGLISHVILLE AND CROTON STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contract of E. L. Gray, No. 4, from the 6th mile post at Earle's mills, to the north side of Dake creek—two and one-half miles, was approved.

Lapeer and  
Tuscola.

LAPEER AND TUSCOLA STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contract of Hiram Curtis, No. 1, from the quarter section corner between sections 11 and 12, in T. 10 N., of R. 11 E., to Sec. 1, in said town,—one and one-half miles; also, that part running east from the N. E. corner of said section, to the S. W. corner of Sec. 36, in T. 11 N., of R. 11 E.,—sixty-five chains and seventy-seven links, was approved.

Almont and  
Cass River.

ALMONT AND CASS RIVER STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contract of

Jeptha Tucker, from the quarter post between sections 22 and 23, in T. 8 N., of R. 12 E., southward to the south line of said sections, being one-half mile, was approved.

ST. LOUIS AND PINE RIVER STATE ROAD.

St. Louis  
and Pine  
river.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contract of George Spayd, from the quarter post between sections 26 and 27, T. 12 N., of R. 3 W., to a point 167 rods east, was approved.

WESTERN DIVISION—PORT HURON, BAY CITY, AND LANSING  
STATE ROAD.

Western Di-  
vision—Port  
Huron, Bay  
City and  
Lansing.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contract of Elias W. Smith, from section post No. 42, to the north end of Pine river bridge, three-fourths of a mile, was approved.

BIG RAPIDS AND GRAND RAPIDS STATE ROAD.

Big Rapids  
and Grand  
Rapids.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contract of E. L. Gray, No. 16, for a bridge across Tamarack Creek, was approved;

Also,

The acceptance of the contract of E. L. Gray, No. 16, of two miles on the north end of the contract, was approved on the same recommendation.

ALMONT AND CASS RIVER STATE ROAD.

Almont and  
Cass river.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contract of Daniel Mixer, No. 18, from the north-east corner of Sec. 15, in T. 7 N., of R. 12 E., to the place where the old railroad track intersects the quarter line of section 15, about one mile, was approved.

Newaygo  
and North-  
port.

#### NEWAYGO AND NORTHPORT STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of J. M. Cook & Co., from the 41st to the 56th mile post, 15 miles, was approved ;

Also,

The acceptance of the contract of Edgar L. Gray, No. 22, remainder of contract, being two miles and 95 rods, was approved on the same recommendation.

Ovid and St.  
Charles.

#### OVID AND ST. CHARLES STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contract of N. Peacock, No. 1, of four miles on the south end of the contract, was approved.

Bridgeton  
and Osceola.

#### BRIDGETON AND OSCEOLA STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contract of James Sutherland, for two miles, from the quarter post between sections 20 and 21, in T. 15 N., of R. 10 W., thence south-westerly two miles, was approved.

Duncan,  
Alpena and  
Sauble River

#### DUNCAN, ALPENA, AND SAUBLE RIVER STATE ROAD.

The account of Godard and Guild, for surveying and making plats and maps, was allowed at \$610 30;

Also,

On the recommendation of the S. L. S. R. Commissioner, the route from the 88th to the 115th mile post was changed so as to conform to the route shown on the survey and map made by Godard and Guild, filed this day in the office of the S. L. S. R. Commissioner.

East Sagi-  
naw and  
Sauble river.

#### EAST SAGINAW AND SAUBLE RIVER STATE ROAD.

The account of E. F. Guild for making map, was allowed at \$35 00.

## EAST SAGINAW AND JUNCTION STATE ROAD.

East Saginaw and Junction.

The account of S. C. Munson, Local Commissioner, was allowed at \$54 00;

Also,

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contract of B. B. Buckhout, dated September 1, 1867, from the north-west corner of Sec. 21, in T. 12 N., of R. 6 E., to the quarter stake of said section, being one-half mile, was approved;

Also,

On the recommendation as above, the acceptance by a Local Commissioner of the contract of said Buckhout from the N. W. corner of Sec. 22, in T. 12 N., of R. 6 E., running north-easterly to where said road intersects the Bay City and Vassar road, being one-half mile, was approved.

## MINERAL RANGE STATE ROAD.

Mineral Range.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of Keweenaw county, No. 1, from the middle of the 39th Sec. to the end of Sec. 40, being one-half mile, was approved.

## CLIO AND CHESANING STATE ROAD.

Clio and Chesaning.

On the recommendation as above, the acceptance of the contract of John Johnson, from the S. W. corner of section 18, in T. 9 N., of R. 6 E., to the S. E. corner of said section, being one mile, was approved.

## ALMONT AND CASS RIVER STATE ROAD.

Almont and Cass river.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contract of Hugh McKenzie, No. 12, from the N. E. corner of Sec. 22, south to the quarter post between sections 22 and 23, in T. 8 N., of R. 12 E., being one-half mile, was approved;

Also,



On recommendation as above, the acceptance of the contract of John Abbot, from the S. W. corner of Sec. 33, on township line between Burnside and Goodland, to the S. E. corner of Sec. 34, in T. 9 N., of R. 12 E., being two miles, was approved.

Bridge over  
Au Sauble  
river.

#### BRIDGE OVER AU SAUBLE RIVER.

On the recommendation of the S. L. S. R. Commissioner, it was ordered that the place of crossing the river be changed to a point designated on a map of Alpena village, drawn by E. N. Breckinridge, and this day filed in the office of the S. L. S. R. Commissioner.

Ionia and  
Smyrna.

#### IONIA AND SMYRNA STATE ROAD.

The account of Bingham, Kerr & Co., for printing, was allowed at \$4 20.

Also,

The account of Taylor & Stevenson for printing, was allowed at \$5 50.

Wisconsin  
and Lake  
Superior.

#### WISCONSIN AND LAKE SUPERIOR STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the route as shown by map filed in the office of the said Commissioner, by J. S. Putnam, of this date, was approved.

Manistee  
and Leeland.

#### MANISTEE AND LELAND STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the route as shown by a map filed by V. F. Thurston, Local Commissioner, in the office of the S. L. S. R. Commissioner, bearing date of filing of to-day, was approved.

Port Huron,  
Bay City  
and Lansing.

#### PORT HURON, BAY CITY, AND LANSING STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, it was ordered that the line of said road, from its intersection

with the Lexington and Flint river road, to the east line of Sec. 15, in T. 9 N., of R. 14 E., be vacated, and the route of said road be established on the line of said Lexington and Flint river road, from said point of intersection, to the east line of Sec. 34, in T. 10 N., of R. 14 E., thence south to said point in said Sec. 15, T. 9 N., of R. 14 E.

## SANILAC AND HURON STATE ROAD.

Sanilac and  
Huron.

On the recommendation of the S. L. S. R. Commissioner, so much of the route of said road as is shown by a profile this day filed in the office of the S. L. S. R. Commissioner, was approved.

## HURON CITY AND BAD AX STATE ROAD.

Huron City  
and Bad Ax.

On the recommendation of the S. L. S. R. Commissioner, the route of the road from Huron City to Verona, as shown by a profile drawn by Richard Smith, county surveyor, and this day filed in the office of the S. L. S. R. Commissioner, was approved.

## BAY DE NOC AND GREEN BAY STATE ROAD.

Bay De Noc  
and Green  
Bay.

The diagram and field notes for a part of the northern division of said road, made by E. P. Royce in June and July, 1868, and now on file in the office of the S. L. S. R. Commissioner, was approved.

On motion the Board adjourned.

---

TWENTY-FOURTH MEETING.

*Lansing, October 7, 1868.*

The Board met at the office of the Secretary of State.

Present:

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,  
 Hon. B. D. Pritchard, Com'r State Land Office,  
 Hon. O. L. Spaulding, Secretary of State.  
 On motion,  
 Hon. B. D. Pritchard was chosen Chairman *pro tem*.

St. Mary's  
 Falls and  
 Mackinac.

#### ST. MARY'S FALLS AND MACKINAC STATE ROAD.

The account of E. Ashman, Local Commissioner on said road, was allowed at \$27 00.

Also,

The account of Bingham, Kerr & Co., for advertising notices to contractors on said road, was allowed at \$5 25.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract, No. 1, of W. H. Hill, for two miles of road, being from the quarter post on the west side of Sec. 18, in T. — N., on the meridian line, and thence south two miles, was approved.

Also,

The acceptance of the balance of W. H. Hill's contract, No. 1, being 3 miles, was approved.

Road in  
 Shiawassee  
 township,  
 Shiawassee  
 county.

#### ROAD IN SHIAWASSEE TOWNSHIP, SHIAWASSEE COUNTY.

(Act No. 80, Session Laws 1865.)

On the recommendation of the S. L. S. R. Commissioner, Thomas Munger was allowed 240 acres of land in full payment of his contract on said road.

Midland and  
 Isabella.

#### MIDLAND AND ISABELLA STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contracts, Nos. 11, and 12, of John Larkin, for two miles of said road, were approved.

Saginaw and  
 Gratiot.

#### SAGINAW, AND GRATIOT STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of Wellington R. Burt for Sec No.

2, of said road east of St. Louis, being one mile, commencing at Sec. stake No. 1, and ending at Sec. stake No. 2, was approved.

WEST DIVISION OF LEXINGTON AND FLINT RIVER STATE ROAD. West Division of Lexington and Flint River.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract, No. 4, of John Wilson for 1 and  $\frac{3}{4}$  miles on the south end of said job, was approved.

EAST SAGINAW AND JUNCTION STATE ROAD. East Saginaw and Junction.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of B. B. Buckhout for  $\frac{1}{2}$  of a mile from the quarter stake between sections 24 and 13, in T. 12 N., of R. 5 E., running east, was approved.

NEWAYGO AND NORTHPORT STATE ROAD. Newaygo and Northport.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of Joseph Cook & Co., for the 61st mile of said contract, was approved ;

Also,

The acceptance of the contract of J. M. Cook & Co., dated September 4, 1867, from the 56th to the 60th, from the 63d to the 64th, and from the 82d to the 84th mile post, being seven miles, was approved.

ACCEPTANCES OF CONTRACTS ON DIFFERENT ROADS, Acceptances of contracts.  
APPROVED.

On the recommendation of the S. L. S. R. Commissioner, the acceptances of Local Commissioners of the contracts of the following named persons on the several roads named, were approved:

Muskegon  
and Cedar  
Springs.

# MUSKEGON AND CEDAR SPRINGS STATE ROAD.

The acceptance of the contract of Harry and William Wartrous, from the S. E. corner of Sec. 25, T. 10 N., of R. 11 W., to the S. E. corner of Sec. 28, in the same town and range, being three miles, was approved ;

Also,

The acceptance of the contract of the same persons from the S. E. corner of Sec. 28, to the quarter post on the south side of Sec. 29, T. 10 N., of R. 11 W., being one and one-half miles, was approved.

Ovid and St.  
Charles.

# OVID AND ST. CHARLES STATE ROAD.

The acceptance of the contract of N. Peacock for one mile, lying between sections 25 and 26, township of Elba, Gratiot county, was approved.

East Division  
Port Huron, Bay  
City and  
Lansing.

# EAST DIVISION—PORT HURON, BAY CITY, AND LANSING STATE ROAD.

The acceptance of the contract of Elias Steele for the west  $\frac{1}{2}$  of the 49th mile, west  $\frac{3}{4}$  of the 57th mile, and the east  $\frac{3}{4}$  of the 58th mile, being two miles, was approved.

Almont and  
Cass river.

# ALMONT AND CASS RIVER STATE ROAD.

The acceptance of the entire contract of C. H. Albertson, being one and two hundred and fifty-two three hundred and twentieths miles, was approved.

Greenville  
and Big  
Rapids.

# GREENVILLE AND BIG RAPIDS STATE ROAD.

The acceptance of the contract of J. B. Barr for four miles 177 rods and 12 links on the line of said road, commencing 73 rods north from the quarter post on the east side of section 16, in T. 12 N., of R. 8 W., and running north, was approved ;

Also,

The acceptance of the contract of the same party for one mile of said road, commencing at the S. E. corner of Sec. 21, in T. 13 N., of R. 8 W., and running north ;

Also,

The acceptance of another contract of the same party for 160 rods and 86 links, commencing at the quarter post on the S. side of Sec. 18, in T. 13 N., of R. 8 W., and running north-westerly on the line of said road, approved.

MIDLAND, HOUGHTON LAKE, AND GRAND TRAVERSE STATE ROAD. Midland,  
Houghton  
Lake, and  
Grand  
Traverse.

The acceptance of the contract of Sylvester Erway, for a bridge on the line of said road, approved.

WEST DIVISION OF MIDLAND, HOUGHTON LAKE, AND GRAND TRAVERSE STATE ROAD. West Division—  
Midland,  
Houghton  
Lake and  
Grand Traver-  
se.

The acceptance of the entire contract of Oscar S. Noble for 5 miles of said road, being from the 1st to the 5th mile inclusive, approved.

ALMA AND CLINTON STATE ROAD.

Alma and  
Clinton.

The account of Bingham, Kerr & Co., for advertising notices to contractors on said road, was allowed at \$3 50.

SAGINAW, GRATIOT, AND NEWAYGO STATE ROAD.

Saginaw,  
Gratiot and  
Newaygo.

The account of Bingham, Kerr & Co., for advertising notice to contractors on said road, was allowed at \$3 50.

ONTONAGON AND STATE LINE STATE ROAD.

Ontonagon  
and State  
Line.

The account of Bingham, Kerr & Co., for advertising notice to contractors on said road, was allowed at \$24 50.

DUNCAN, ALPENA, AND SAUBLE RIVER STATE ROAD.

Duncan, Al-  
pena, and  
Sauble River

The account of Samuel Leavitt, for surveying road from Harrisville to Alpena, was allowed at \$36 00 ;

Also,

The account of L. Doyl, for work on survey of road between Sauble and Alpena, was allowed at \$36 00;

Also,

The account of Thomas McGinn, for surveying road between Au Sauble and Alpena, was allowed at \$48 00;

Also,

The account of E. B. Chamberlain, Local Commissioner on said road, was allowed at \$117 00.

Also,

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract, No. 15, of Miller and Patrick for building 5 and  $\frac{1}{2}$  miles of said road, from Sec. 339, to Sec. 361, was approved;

Also,

The account of Bingham, Kerr & Co., for advertising notice to contractors on Sauble River bridge, was allowed at \$3 50.

Big Rapids  
and Grand  
Rapids.

#### BIG RAPIDS AND GRAND RAPIDS STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of F. H. Todd for building 3 miles of road, being the whole of contract No. 13, was approved;

Also,

The acceptance of the balance of contract No. 7, of Nelson Ganong, being one mile of section No. 42, (one mile having been previously accepted) was approved on the same recommendation;

Also,

The acceptance of two miles of the contract of Edgar L. Gray on said road, was approved on the same recommendation.

Western Di-  
vision—  
Alma and  
Clinton.

#### WESTERN DIVISION—ALMA AND CLINTON STATE ROAD.

The map and survey made by N. Mosher, Surveyor, and now on file in the office of the S. L. S. R. Commissioner, was approved.

## MINERAL RANGE STATE ROAD.

Mineral  
Range.

The bond of Wm. P. Robey, Local Commissioner on said road, with P. A. Hitchcock and E. C. Roberts as sureties, was approved.

## LEXINGTON AND FLINT RIVER STATE ROAD.

Lexington  
and Flint  
River.

The bond of John C. Waterbury, Local Commissioner on said road, with John L. Woods and Albert Pack as sureties, was approved.

## PORT HURON, BAY CITY, AND LANSING STATE ROAD.

Port Huron,  
Bay City  
and Lansing.

The Bond of John C. Waterbury, Local Commissioner on said road, with John L. Woods and Albert Pack as sureties, was approved.

## WESTERN DIVISION OF ALMA AND CLINTON STATE ROAD.

Western Di-  
vision of  
Alma and  
Clinton.

The bond of Wm. H. Nelson as Local Commissioner on said road, with George W. Jeffries and David Morse as sureties, was approved.

## MIDLAND AND ISABELLA STATE ROAD.

Midland and  
Isabella.

The bond of David Morse, Local Commissioner on said road, with I. A. Fancher and G. W. Jeffries as sureties, was approved.

## ALLEGAN AND LAKE SHORE STATE ROAD.

Allegan and  
Lake Shore.

The bond of Elisha Mix, Local Commissioner on said road, with Duncan A. McMartin and Andrew J. Kellogg as sureties, was approved.

## MINERAL RANGE STATE ROAD.

Mineral  
Range.

On motion, it was ordered that the route of said road be changed so as to conform to a map and survey made by Wm.



P. Raley, Local Commissioner, and this day filed in the office of the S. L. S. R. Commissioner;

Also,

Said map and survey are hereby approved.

Allegan,  
Muskegon,  
and Traver-  
se Bay.

ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

Contracts Nos. 3, 4, 5, 6, 7, and 8, made with John Cummings, and No. 2, made with Jared Wells, and No. 5, made with Thomas M. Russell, were ordered forfeited, and the S. L. S. R. Commissioner is hereby instructed to prosecute the contractors and their sureties for non-fulfillment of contracts.

Also,

The account of Bingham, Kerr & Co., for advertising notice to contractors on Bridge across Pigeon River, on the line of said road, was allowed at \$4 20.

On motion, the Board adjourned.

---

## TWENTY-FIFTH MEETING.

*Lansing, November 19, 1868.*

The Board met at the office of the Secretary of State.

Present:

Hon. B. D. Pritchard, Com'r State Land Office,

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,

Hon. O. L. Spaulding, Secretary of State.

On motion,

Hon. B. D. Pritchard was chosen Chairman *pro tem*.

Cotton  
Wood  
Swamp.

COTTON WOOD SWAMP STATE ROAD.

The bond of John I. Kapp, Local Commissioner, with A. L. Bliss and J. B. Bennett as sureties, was approved.

## CLIO AND CHESANING STATE ROAD.

Clio and  
Chesaning

The account of Henry James, Local Commissioner, was allowed at \$54 00.

## ELK CREEK DITCH.

Elk Creek  
Ditch.

The acceptance of the remainder of the contract of O. Adams, J. L. Woods assignee, was approved on the recommendation of the S. L. S. R. Commissioner.

## BAY DE NOC AND GREEN BAY STATE ROAD.

Bay De Noc  
and Green  
Bay.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the north five miles of the contract of Mark English, was approved.

## GREENVILLE AND BIG RAPIDS STATE ROAD.

Greenville  
and Big  
Rapids.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the remainder of the contract of J. B. Barr, being the south five miles of said contract, was approved.

## LAPEER AND TUSCOLA STATE ROAD.

Lapeer and  
Tuscola.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of Hiram Curtis, from the S. W. corner of Sec. 24, to the S. W. corner of Sec. 1, in T. 11 N., of R. 11 E., was approved.

## DUNCAN, ALPENA, AND SAUBLE STATE ROAD.

Duncan,  
Alpena and  
Sauble.

The account of E. F. Guild for surveying and plats, was allowed at \$126 00;

Also,

The plan for a bridge over Au Sauble river, adopted April 1, 1868, was modified as represented in the plan drawn by E. F. Guild, and filed this day in the office of the S. L. S. R. Commissioner, and the said last mentioned plan was adopted.

St. Mary's  
River and  
Mackinac.

# ST. MARY'S RIVER AND MACKINAC STATE ROAD.

The account of Edward Ashman, Local Commissioner, was allowed at \$30 00;

Also,

The acceptance of the contract of W. H. Hill, for the south two miles, was approved on the recommendation of the S. L. S. R. Commissioner.

West Division—  
Port Huron, Bay  
City and  
Lansing.

# WEST DIVISION—PORT HURON, BAY CITY, AND LANSING STATE ROAD.

On the recommendation as above, the acceptance of the entire contract of Samuel Sias, being 4½ miles of said road, viz: Part of Sec. 24, and all of Secs. 25, 26, 27, and 28, was approved;

Also,

On the recommendation of the S. L. S. R. Commissioner, the acceptance of two miles of the contract of Samuel Sias, being Secs. 33 and 34 of said road, was approved.

Southern  
Division—  
Alma and  
Clinton.

# SOUTHERN DIVISION—ALMA AND CLINTON STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of R. Ely, No. 4, for one mile of said road, lying between Sec. stakes Nos. 3 and 4, was approved;

Also,

The account of James Gargett, Local Commissioner on said road, was allowed at \$85 50.

Saginaw,  
Gratiot and  
Newaygo.

# SAGINAW, GRATIOT, AND NEWAYGO STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of three miles of the contract of J. F. Lathrop, No. 11, being sections 18, 19, and 20, of said road, was approved;

Also,

The account of James Gargett, Local Commissioner on said road, was allowed at \$217 50.

## OVID AND ST. CHARLES STATE ROAD.

Ovid and St.  
Charles.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of one mile of contract of N. Peacock, No. 1, the same lying between Sec. stakes Nos. 23 and 24, of said road, was approved.

## THIRD DIVISION—ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

Third Division of Alle-  
gan, Muske-  
gon and  
Traverse  
Bay.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of P. M. Danaher, No. 1, for a bridge over Pere Marquette river, was approved.

## IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD.

Ionia,  
Houghton  
Lake and  
Mackinac.

The contract of E. L. Gray, No. 24, approved April 1, 1868, is extended and continued in force until December 1, 1869, and the said contractor is hereby required to renew his bond to the satisfaction of this Board;

Also,

The contract of E. Hall and E. L. Gray, No. 22, approved April 1, 1868, is hereby extended and continued in force until December 1, 1869, with the same requirement as to bond, as above;

Also,

The contract of E. Hall, No. 25, approved April 1, 1868, is hereby extended and continued in force until December 1, 1869, with the same requirement as to bond, as above;

Also,

The contract with E. Hall, No. 23, approved April 1, 1868, is hereby extended and continued in force until December 1, 1869, with the same requirement as to bond, as above.

## MIDLAND, HOUGHTON LAKE, AND TRAVERSE BAY STATE ROAD.

Midland  
City, Hough-  
ton Lake  
and Trav-  
erse Bay.

The contract of Oscar L. Noble, Moss, Midbury and Mills, assignees, dated April 11, 1868, is hereby extended and contin-

ued in force until December 1, 1869, and the contractor is required to renew his bond to the satisfaction of this Board.

On motion, the Board adjourned.

---

## TWENTY-FIFTH MEETING.

*Lansing, December 3, 1868.*

The Board met at the office of the Secretary of State.

Present:

Hon. B. D. Pritchard, Com'r State Land Office,

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,

Hon. O. L. Spaulding, Secretary of State.

On motion,

Hon. B. D. Pritchard was chosen chairman *pro tem*.

**EASTERN DIVISION—PORT HURON, BAY CITY, AND LANSING  
STATE ROAD.**

**Eastern Division—  
Port Huron,  
Bay City,  
and Lansing.**

Mr. O. Adams having executed and filed with the Board a release of his contracts on this road, as required by resolution of the Board, of date February 7, 1867, it is hereby

*Resolved*, That he and his sureties be released from all liability on said contracts, which are hereby declared canceled;

Also, it is

*Ordered*, That the contracts of Charles Stuck, numbered 12, 13, 14, 15, 16, 17, 18, 19, 20, and 21, being for sections of said road numbered 45 to 64 inclusive, be canceled, and he and his sureties be released from liability on said contracts, on condition that the said contractor file with this Board a written release of the State from all liability to him on said contracts;

Also,

The contract of William Mercer, assigned to E. L. Dunbar, is hereby extended to July 1, 1869.

WESTERN DIVISION—PORT HURON, BAY CITY, AND LANSING  
STATE ROAD.

Western Division—Port Huron, Bay City and Lansing.

The contract of James Russell, for Sec. 21 of said road, having been heretofore accepted and approved, and by an error in the office of the S. L. S. R. Commissioner, a warrant having been drawn for \$400 00 instead of \$450 00, it is hereby

*Ordered*, That another warrant be now issued to said Russell for the additional sum of \$50 00 due to him on the acceptance of said contract.

VIENNA AND STATE LINE STATE ROAD.

Vienna and State Line.

The contract of C. Hertgler, No. 1, is hereby extended to July 1, 1869.

IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD.

Ionia, Houghton Lake and Mackinac.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of E. Hall and E. L. Gray, from Stanton to a stake marked 26 and 27 on the line of said road, was approved.

INGHAM AND CLINTON STATE ROAD.

Ingham and Clinton.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of C. C. Darling in full, was approved.

THIRD DIVISION—ALLEGAN, MUSKEGON, AND TRAVERSE BAY  
STATE ROAD.

Third Division—Allegan, Muskegon and Traverse Bay.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of P. M. Danaher, was approved so far as to authorize the payment of 1,120 acres additional.

On motion, the Board adjourned.

## TWENTY-SIXTH MEETING.

*Lansing, December 31, 1868.*

The Board met at the office of the Secretary of State.

Present:

Hon. B. D. Pritchard, Com'r State Land Office,

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,

Hon. O. L. Spaulding, Secretary of State.

On motion, Hon. B. D. Pritchard was chosen Chairman *pro tem.*

Commissioner Curtis presented a statement of moneys received and disbursed during his term of office on account of trespass on the Public Lands, with a report of his action in the premises, from which it appeared that he had collected \$9,143 50 and disbursed \$4,248 10, leaving a balance in his hands of \$4,895 40. On examination of the same, together with his vouchers, the Board approved his action in the premises, and said statement and vouchers were filed with the Board, whereupon the said Commissioner paid the said balance of \$4,895 40 into the State Treasury and was discharged from all liability to the State on account of moneys mentioned in said statement.

Allegan,  
Muskegon  
and Traverse  
Bay.

ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

In the matter of the claim of Wm H. Parks for payment for building road, claimed by him to have been built under contract prior to its being canceled by the Board, which was referred to the S. L. S. R. Commissioner, upon his representation that three miles of said road were built as claimed by said Parks, it is

*Ordered,* That the said Wm. H. Parks be, and is hereby allowed \$2,400 in State Swamp Land, in full for all work done by him on said road.

The ditch in Lapeer and St. Clair counties, which was authorized by this Board January 31, 1865, and upon which 1,500 acres of State Swamp Land was appropriated, being under consideration,

Upon the report of the Hon. John M. Lamb, Special Commissioner, and on the recommendation of the S. L. S. R. Commissioner, it appearing to the satisfaction of this Board that the object sought in the construction of the ditch has been fully accomplished, although one and a half miles of the ditch have not been cut on the exact line designated by the Board, but in the opinion of this Board they have been established so as to more fully drain the lands than would have been done had they been located as established by the Board; now, therefore, in consideration of the foregoing, this Board agrees to, and does hereby award to the contractors, Fred. P. Currier, Henry Stevens, Zadock H. Hallock, and Charles Ferguson, 1,500 acres of Swamp Land, in full payment of their contract.

EASTERN DIVISION—MIDLAND, HOUGHTON LAKE, AND  
TRAVERSE BAY STATE ROAD.

Eastern Division—  
Midland,  
Houghton  
Lake and  
Traverse  
Bay.

The acceptance of the contract of Theodore Bathy on said road, being for sections 13, 14, and 15, three miles, was, on the recommendation of the S. L. S. R. Commissioner, approved;

Also,

On the same recommendation, the acceptance of the contract of Collins Avery for one mile on said road, was approved.

WESTERN DIVISION—MIDLAND, HOUGHTON LAKE, AND  
TRAVERSE BAY STATE ROAD.

Western Division—  
Midland,  
Houghton  
Lake, and  
Traverse  
Bay.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of Oscar L. Noble for four miles of said road, lying between the 10th and 14th mile posts, was approved;

Also,

The acceptance of twelve miles of contract of same party



on same road, lying between the 5th and 10th, and between the 14th and 21st mile posts, was approved on the recommendation of the S. L. S. R. Commissioner, so far as to allow the contractors to draw three-fourths payment.

Eastern Division—**EASTERN DIVISION—PORT HURON, BAY CITY, AND LANSING STATE ROAD.**  
Port Huron,  
Bay City,  
and Lansing.

The acceptance of one and a half miles of the contract of C. H. Albertson, contractor, being that part of said road described as follows, viz: Lying between the west end of the 42d mile, and the west end of the 43d mile, and the west half of the 44th mile, was approved.

Capac and Clyde extension—**CAPAC AND CLYDE EXTENSION STATE ROAD.**

The acceptance of the contract of John Phelps, being Sec. 2, and all of Sec. 5 except ten rods on the west end, was approved on the recommendation of the S. L. S. R. Commissioner.

First Division—**FIRST DIVISION—ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.**  
Allegan,  
Muskegon,  
and Traverse Bay.

The acceptance of the contract of I. F. Bird, for a bridge over Pigeon river, on the line of said road, was approved on the recommendation of the S. L. S. R. Commissioner;

Also,

The account of Thomas Padgett, Local Commissioner on said 1st division of said road, for surveying and locating a portion of said road, was allowed at \$227 50.

Southern Division—**SOUTHERN DIVISION—PORT HURON, BAY CITY, AND LANSING STATE ROAD.**  
Port Huron,  
Bay City,  
and Lansing.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the entire contract of Samuel Sias on said road, being four miles between section stakes 28 and 32, was approved;

Also,

The acceptance of another contract of Samuel Sias on said road, being three miles between section stakes 34 and 37, was approved on the same recommendation.

SOUTHERN DIVISION—SANILAC AND HURON STATE ROAD. Southern  
Division—  
Sanilac and  
Huron.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of contract No. 1, Peter Janette contractor, being one and one hundred and thirty-two three hundred and twentieths miles, was approved (all included in Sec. 6, of said road);

Also,

On the same recommendation, the acceptance of contract No. 5, on said road, Joseph Heathcote contractor, being two miles, viz: Sections 26 and 27, was approved.

SAGINAW, GRATIOT, AND NEWAYGO STATE ROAD. Saginaw,  
Gratiot and  
Newaygo.

On the recommendation of the S. L. S. R. Commissioner, the balance of an acceptance dated October 26, 1868, on contract No. 11, Joseph F. Lathrop contractor, being the west half mile of said acceptance, was approved.

MUSKEGON AND CEDAR SPRINGS STATE ROAD. Muskegon  
and Cedar  
Springs.

On the recommendation of the S. L. S. R. Commissioner, the east two miles of an acceptance dated December 10, 1868, on contract No. 11, Wm. and Henry Wartrous contractors, was approved;

Also,

The balance of an acceptance dated October 5, 1868, on contract No. 2, William and Henry Wartrous contractors, being the west half mile of said acceptance, was approved.

ALMA AND CLINTON STATE ROAD. Alma and  
Clinton.

The acceptance of the east half mile of the contract of L. A. George, No. 2, on said road, was approved on the recommendation of the S. L. S. R. Commissioner;

Also,

On the same recommendation, the acceptance of the entire contract of Whiteman Hall, No. 3, on said road, being one mile between section stakes Nos. 2 and 3, was approved.

Also,

On the same recommendation, the acceptance of the entire contract of Wm. H. Davis, No. 7, being one-half mile of said road, viz: The north half of Sec. 7, was approved;

Also,

On the same recommendation, the acceptance of the entire contract of M. Polasky, No. 1, being one mile of said road, between section stakes 0 and 1, was approved;

Also,

On the same recommendation, the acceptance of the contract of George Chandler, No. 8, being one mile of said road, viz: The south half of Sec. 7, and north half of Sec. 8, was approved;

Also,

On the same recommendation, the acceptance of the contract of Phillip Burlingame, No. 9, being one and a half miles of said road, viz: The south half of Sec. 8, and all of Sec. 9, was approved;

Also,

On the same recommendation, the acceptance of the contract of George Holliday, No. 6, being one-half mile of said road, viz: One-half of Sec. 6, was approved.

**Gratiot Co. Ditch, from Maple river to Bad river.** GRATIOT COUNTY DITCH—FROM MAPLE RIVER TO BAD RIVER.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of George Peacock and John Voorhies, No. 3, being one mile of said ditch, was approved.

**Genesee and Tuscola.**

**GENESEE AND TUSCOLA STATE ROAD.**

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the balance of the contract of John Bodine on

said road, being four miles between Denmark and Arbella, was approved.

TUSCOLA AND SAGINAW BAY STATE ROAD.

Tuscola and  
Saginaw Bay

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of Wm. Wills on said road, being one mile between section stakes  $14\frac{1}{2}$  and  $15\frac{1}{2}$ , was approved;

Also,

On the same recommendation, the acceptance of the contract of Granger Allen, on said road, being one mile between section stakes  $24\frac{1}{2}$  and  $25\frac{1}{2}$ , was approved.

MIDLAND AND ISABELLA STATE ROAD.

Midland and  
Isabella.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contracts of William Tholby, Nos. 3, 4, 5, 6, 7, 8, and 9, on said road, being seven miles, between Midland City and Mt. Pleasant, was approved;

Also,

On the same recommendation, the acceptance of the contract, No. 21, on said road, John M. Hursh contractor, being one mile between section stakes 20 and 21, was approved;

MONTCALM AND GRATIOT STATE ROAD.

Montcalm  
and Gratiot.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the north one mile of the contract of Robert Wood, No. 2, on said road, was approved so far as to allow the contractor to receive 1,000 acres.

CASS RIVER AND BAY CITY STATE ROAD.

Cass river  
and Bay City

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of A. C. Maxwell, No. 14, on said road, being two and forty-eight one-hundredths miles, viz: From a point 87 rods east of the N. W. corner of Sec. 25, in T. 14 N., of R. 5 E., to a point 40 rods west of the N. W. corner of Sec. 28, in T. 14 N., of R. 6 E., was approved;

Also,

The acceptance of the contract of King Allen, Jr., No. 13, on said road, being one mile, viz: From a stake on the west line of Sec. 8, to the east line of said section, was approved;

Also,

The acceptance of the contract of M. P. Randall, No. 9, being one mile of said road, viz: From a stake on the west line of Sec. 9, to a stake on the east line of said section, was approved;

Also,

The acceptance of the contract of David M. Black, No. 10, on said road, being one mile, was approved;

Also,

The acceptance of the contract No. 7, Russell M. Lapree contractor, being one mile of said road, northeasterly from the center line of Sec. 22, was approved;

Also,

The acceptance of the balance of the contract of Ambrose Hill, No. 4, being one and a half miles of said road, between the N. W. corner of Sec. 10, in T. 14 N., of R. 9 E., and a stake 126 feet east of the east line of Columbia, was approved.

Bridgeton  
and Osceola.

#### BRIDGETON AND OSCEOLA STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of A. E. Upton, on said road, being 5 and seven-twentieths miles, between a point 40 and eight one-hundredths chains north of Squire's Hotel, and Four Mile Creek, was approved.

Newaygo  
and North-  
port.

#### NEWAYGO AND NORTHPORT STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of one mile of the contract of D. C. Leach, No. 19, on said road, being part of the job between the 102d and 109th mile posts, was approved;

Also,

The acceptance of seven miles of the contract of J. M. Cook & Co., dated September 4, 1867, being between the 64th and 68th, 80th and 82d, and the 84th and 85th mile posts, was approved.

## EAST SAGINAW AND JUNCTION STATE ROAD.

East Saginaw and Junction.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of 80 rods of the contract of B. B. Buckhout on said road, dated May 1, 1868, commencing at the S. W. corner of Sec. 17, in T. 12 N., of R. 6 E., and running easterly, was approved;

Also,

The acceptance of three-fourths of a mile of the contract of said Buckhout on said road, dated May 1, 1868, commencing at the S. E. corner of Sec. 17, in T. 12 N., of R. 6 E., and running westerly, was approved.

## EAST SAGINAW AND JUNCTION STATE ROAD.

East Saginaw and Junction.

The account of S. C. Munson, Local Commissioner on said road, was allowed at \$45 00;

Also,

On the recommendation of the S. L. S. R. Commissioner, the acceptance of 80 rods of the contract of B. B. Buckhout on said road, dated May 1, 1868, commencing at the N. E. corner of Sec. 24, in T. 12 N., of R. 5 E., and running westerly, was approved.

On motion, the Board adjourned.

O. L. SPAULDING, *Secretary.*



# RECORD OF PROCEEDINGS.

---

## REORGANIZATION OF BOARD.

---

### FIRST MEETING.

*Lansing, January 6, 1869.*

The Board met at the office of the Secretary of State.

A quorum not being present, the Board adjourned to meet on the 22d inst., at 2 o'clock P. M.

---

### SECOND MEETING.

*Lansing, January 22, 1869.*

The Board met at the office of the Secretary of State pursuant to adjournment.

Present:

Hon. H. P. Baldwin, Governor,

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,

Hon. O. L. Spaulding, Secretary of State.

On motion of Hon. E. O. Grosvenor,

The Board organized by electing Gov. H. P. Baldwin Chairman, and Hon. O. L. Spaulding Secretary.



Berlin and  
Georgetown.

BERLIN AND GEORGETOWN STATE ROAD.

Mr. Crozier came before the Board and presented a petition of the Commissioners of Highways of the township of Jamestown, representing that the contract of Ira Y. Burnham, heretofore accepted by the Governor on January 31, 1867, was not properly performed, and it appearing to the Board that there is good reason to believe that the said Burnham should not receive patents for the land reserved under his contract, it is therefore

*Ordered*, That the Commissioner of the State Land Office be requested to suspend the issuing to him or to his assignee the certificates for said land until an investigation can be had of the whole subject, and that the S. L. S. R. Commissioner proceed at once to personally inspect the road and to examine into all the facts connected with the letting, executing, and accepting of said contract, and to report to this Board, to the end that final action may be had in the premises.

Clio and  
Chesaning.

CLIO AND CHESANING STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of one hundred rods of the contract of D. S. Halstead, No. 6, on said road, running westerly from the east line of Sec. 14, was approved;

Also,

The acceptance of contract No. 5, R. L. Benjamin contractor, being one mile of said road, was approved;

Also,

The acceptance of contract No. 4, D. S. Halstead contractor, being one mile of said road, was approved.

Montcalm  
and Gratiot.

MONTCALM AND GRATIOT STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the north mile of contract No. 2, Robert Wood contractor, on said road, was approved.

## SANILAC AND HURON STATE ROAD.

Sanilac and  
Huron.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of Albert Pack, for six hundred and eighty rods of ditch on the line of said road, was approved.

## EAST SAGINAW AND JUNCTION STATE ROAD.

East Saginaw and  
Junction.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of one-half mile of the contract of B. B. Buckhout on said road, running easterly from the S. W. corner of Sec. 18, in T. 12 N., of R. 6 E., was approved.

## SOUTHERN DIVISION—ALMA AND CLINTON STATE ROAD.

Southern  
Division—  
Alma and  
Clinton.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of 80 rods of the contract of L. H. Parsons, on the line of said road, lying between a post 80 rods north of the north line of Gratiot county, and the quarter post 80 rods north of said post, was approved.

## PORT HURON, BAY CITY, AND LANSING STATE ROAD.

Port Huron,  
Bay City,  
and Lansing

On the recommendation of the S. L. S. R. Commissioner, the acceptance of two and one-half miles of the contract of Wm. Mercer, E. L. Dunbar assignee, being the 11th, 12th and east half of the 13th mile, was approved.

## IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD.

Ionia,  
Houghton  
Lake and  
Mackinac.

On the same recommendation, the acceptance of a bridge over the Chippewa river, included in the contract of Edmund Hall, No. 25, was approved.

## AKRON DITCH.

Akron Ditch

On the same recommendation, the acceptance of the contracts of John S. Coy, Nos. 1, 2, and 3, on said ditch, lying between the mouth of Squaw Creek and the N. E. corner of

Sec. 4, in T. 14 N., of R. 8 E., being 3 miles and 58 rods, was approved ;

Also,

On the same recommendation, the acceptance of the contract of Charles Curtis, No. 5, on said ditch, lying between the job let to Joseph A. Crowell, and the quarter stake between Secs. 9 and 10, in T. 14 N., of R. 8 E., being one-half mile, was approved ;

Also,

On the same recommendation, the acceptance of the contract of Joseph A. Crowell, No. 4, lying between the N. E corner of Sec. 4 and the S. E. corner of Sec. 4, in T. 14 N., of R. 8 E., being one mile, was approved.

On motion, the Board adjourned.

---

### THIRD MEETING,

*Lansing, January 28, 1869.*

The Board met at the Executive office.

Present:

Hon. H. P. Baldwin, Governor,

Hon. Wm. Humphrey, Auditor General,

Hon. E. O. Grosvenor, State Treasurer,

Hon. O. L. Spaulding, Secretary of State.

Sanilac and  
Bay.

#### SANILAC AND BAY STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of Sec. 16, of contract No. 7, Eber B. Ward contractor, being one mile of said road, was approved so far as to allow the contractor to draw three-fourths payment ;

Also,

On the same recommendation, the acceptance of Sec. 3, of contract No. 7, Eber B. Ward contractor, being one mile of

said road, was approved so far as to allow the contractor to draw three-fourths payment;

Also,

On the same recommendation, the acceptance of contract No. 8, Eber B. Ward contractor, being two miles of said road, was approved so far as to allow the contractor to draw three-fourths payment.

On motion the Board adjourned.

---

#### FOURTH MEETING.

*Lansing, February 11, 1869.*

The Board met at the office of the Secretary of State.

Present:

Hon. H. P. Baldwin, Governor,

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,

Hon. B. D. Pritchard, Com'r State Land Office,

Hon. O. L. Spaulding, Secretary of State.

#### CASS RIVER AND BAY CITY STATE ROAD.

Cass River  
and Bay  
City.

*Whereas*, A warrant has been heretofore issued to A. C. Maxwell, a contractor on this road, in full payment of his contract, confining him to Bay county in the selection of said land, and it appearing that by virtue of act No. 418, of the Session Laws of 1867, he is entitled to select two and one-half sections of said land in either Bay or Tuscola county; therefore,

*Resolved*, That said contractor may be permitted to select two and one-half sections of land authorized by said warrant, in either of said counties.

Berlin and  
Georgetown.

BERLIN AND GEORGETOWN STATE ROAD.

The case of Ira Y. and Ammi Burnham, contractors on said road, was brought up and considered at considerable length, and pending the consideration, the Board adjourned until to-morrow, at 9 o'clock A. M.

---

FIFTH MEETING.

*Lansing, February 12, 1869.*

The Board met at the office of the Secretary of State pursuant to adjournment.

Present:

Hon. H. P. Baldwin, Governor,

Hon. E. O. Grosvenor, State Treasurer,

Hon. Dwight May, Attorney General,

Hon. Wm. Humphrey, Auditor General,

Hon. B. D. Pritchard, Com'r State Land Office.

Berlin and  
Georgetown.

BERLIN AND GEORGETOWN STATE ROAD.

The case of Ira Y. and Ammi Burnham, contractors on said road, was resumed, and the following resolution, was passed, viz:

*Resolved*, That in the matter of the complaint against Ira Y. Burnham and Ammi Burnham, contractors upon the Berlin and Georgetown State road, the case together with copies of all papers filed therein, be referred to the Attorney General for a full legal investigation of the case, and that he be, and he is hereby requested to report at the earliest practicable moment to this Board, the results of such investigation, together with a recommendation of such action on the part of the State as in his judgment may be necessary to secure the just interests of the State in the premises.

## MUSKEGON AND CEDAR SPRINGS STATE ROAD.

Muskegon  
and Cedar  
Springs.

On motion, it is

*Ordered*, That the route of this road be, and is hereby changed so as to conform to a diagram and field notes this day filed in the office of the S. L. S. R. Commissioner, to-wit:

Commencing at the corners of Secs. 27, 28, 33, and 34, in T. 10 N., of R. 12 W., running thence west on Sec. line to the S. W. corner of Sec. 30, in T. 10 N., of R. 13 W., thence north-westerly to the S. W. corner of Sec. 24, in T. 10 N., of R. 14 west.

On motion, the Board adjourned.

## SIXTH MEETING.

*Lansing, February 24, 1869.*

The Board met at the Executive office.

Present:

Hon. H. P. Baldwin, Governor,

Hon. E. O. Grosvenor, State Treasurer,

Hon. B. D. Pritchard, Com'r State Land Office,

Hon. Wm. Humphrey, Auditor General.

## NORTHERN DIVISION—SANILAC AND HURON STATE ROAD.

Northern  
Division—  
Sanilac and  
Huron.

The account of Geo. Skeen, Local Commissioner on said road, was allowed at \$240 01.

## ONTONAGON AND STATE LINE STATE ROAD.

Ontonagon  
and State  
Line.

The account of D. Beaser, Local Commissioner on said road, was allowed at \$51 00.

## ONTONAGON AND MONTREAL RIVER STATE ROAD.

Ontonagon  
and Montreal  
River.

The account of D. Beaser, Local Commissioner on said road, was allowed at \$190 00.

**East Division—Port Huron, Bay City and Lansing.** **EASTERN DIVISION—PORT HURON, BAY CITY, AND LANSING STATE ROAD.**

The account of J. C. Waterbury, Local Commissioner on said road, was allowed at \$36 00.

**Elk Creek Ditch.**

**ELK CREEK DITCH.**

The account of J. C. Waterbury, Local Commissioner on said ditch, was allowed at \$63 00.

**Almont and Cass river.**

**ALMONT AND CASS RIVER STATE ROAD.**

The account of W. W. Barber, Local Commissioner on said road, was allowed at \$30 00.

**Midland and Isabella.**

**MIDLAND AND ISABELLA STATE ROAD.**

On the recommendation of the S. L. S. R. Commissioner, the acceptance of contract No. 10, Delway Jones contractor, being for one mile of said road, between section stakes 9 and 10, was approved.

**Third Division—Allegan, Muskegon, and Traverse Bay.**

**THIRD DIVISION—ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.**

On the same recommendation, the acceptance of so much of the contract of P. M. Danaher, No. 2, on said road, as lies in townships 18 N., and 17 and 18 W., was approved so far as to allow the contractor to receive pay for six miles of road, to-wit: Six sections of land.

On motion, the Board adjourned.

---

## SEVENTH MEETING.

*Lansing, April 5, 1869.*

The Board met at the office of the Secretary of State.

Present:

Hon. Henry P. Baldwin, Governor,

Hon. Wm. Humphrey, Auditor General,  
Hon. B. D. Pritchard, Com'r State Land Office,  
Hon. O. L. Spaulding, Secretary of State.

## ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

Allegan,  
Muskegon  
and Traverse  
Bay.

Protests of several parties against a change of route of said road were received and filed in the office of the S. L. S. R. Commissioner.

## BERLIN AND GEORGETOWN STATE ROAD.

Berlin and  
Georgetown.

The opinion of the Attorney General as to contract of Ammi and Ira Y. Burnham was received and filed in the office of the S. L. S. R. Commissioner; also, the report of Commissioner Curtis.

On motion, it is

*Ordered*, That the Attorney General at once proceed to prosecute the bond of E. F. Bosworth, Local Commissioner, and also to institute criminal prosecution against him for perjury, if in his opinion it is deemed advisable; also, to institute such proceedings against Ira Y. Burnham, one of the contractors on said road, as shall be necessary to protect the interests of the State.

## MANISTEE AND LELAND STATE ROAD.

Manistee  
and Leland.

The account of V. F. Thurston, Local Commissioner on said road, for survey, etc., amounting to \$999 63, was presented.

The bill having been divided by the S. L. S. R. Commissioner into two bills, one of them, amounting to \$688 43, accompanied by sub-vouchers, was allowed.

The other, amounting to \$310 20, was returned to Mr. Thurston for sub-vouchers.

## MUSKEGON AND CEDAR SPRINGS STATE ROAD.

Muskegon  
and Cedar  
Springs.

The contract of W. A. and H. S. Wartrous, was, on the recommendation of the S. L. S. R. Commissioner, extended to



Ontonagon  
and Montre-  
al River.

#### ONTONAGON AND MONTREAL RIVER STATE ROAD.

On the same recommendation, the account of Daniel Beazer, Local Commissioner on said road, was allowed at \$177 00;

Also,

On the same recommendation, the account of J. A. Crozier & Co., with sub-vouchers for amounts paid men and supplies, in survey of said road, was allowed at \$1,062 24.

First Divi-  
sion—  
Allegan,  
Muskegon,  
and Traver-  
se Bay.

#### FIRST DIVISION—ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

On recommendation as above, the account of Geo. W. Woodward, Local Commissioner, was allowed at \$48 00.

Newaygo  
and North-  
port.

#### NEWAYGO AND NORTHPORT STATE ROAD.

On the same recommendation, the account of Perry Hannah, Local Commissioner on said road, was allowed at \$384 00.

East Saginaw  
and Junction.

#### EAST SAGINAW AND JUNCTION STATE ROAD.

The acceptance of the contract of Byron B. Buckhout, from a point commencing in said road one-half mile N. E. from the N. E. corner of Sec. 21, in T. 12 N., of R. 6 E., N. E. one-half mile, was, on recommendation of the S. L. S. R. Commissioner, approved;

Also,

On the same recommendation, the acceptance of the contract of Byron B. Buckhout, from the N. E. corner of Sec. 13, in T. 12 N., of R. 6 E., running south-westerly  $1\frac{1}{2}$  miles, was approved.

Bay De Noc  
and Green  
Bay.

#### BAY DE NOC AND GREEN BAY STATE ROAD.

On partial acceptance by Local Commissioner, and on the recommendation of the S. L. S. R. Commissioner, Mark English, a contractor on said road, was allowed four sections of land, to apply on his contract, the work performed being sufficient to entitle him to 14 sections.

## CASS RIVER AND BAY CITY STATE ROAD.

Cass river  
and Bay City

The bond of Horace C. Marvin, Local Commissioner, with A. C. Maxwell and C. C. Fitzhugh as sureties, was approved.

## MACKINAC AND DELTA STATE ROAD.

Mackinac  
and Delta.

The bond of Ira A. Clark, Local Commissioner on said road, with E. P. Royce and A. J. Perrin as sureties, was approved.

## TUSCOLA AND SAGINAW BAY STATE ROAD.

Tuscola and  
Saginaw Bay

The bond of Charles R. Selden, Local Commissioner on said road, with James Saunders and Mark D. Seeley as sureties, was approved.

## SOUTHERN DIVISION—IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD.

Southern  
Division—  
Ionia,  
Houghton  
Lake and  
Mackinac.

The bond of Levi Camburn, with Jenson P. Beers and A. Lyon as sureties, was approved.

## ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

Allegan,  
Muskegon  
and Traverse  
Bay.

On the recommendation of the S. L. S. R. Commissioner, the route of said road was changed to correspond with the map and survey this day filed in the office of the S. L. S. R. Commissioner.

On motion, the Board adjourned.

## NINTH MEETING.

*Lansing, May 27, 1869.*

The Board met at the office of the Secretary of State.

Present :

Hon. H. P. Baldwin, Governor,

Hon. E. O. Grosvenor, State Treasurer,

Hon. B. D. Pritchard, Com'r State Land Office,

Hon. O. L. Spaulding, Secretary of State.

Swamp  
Land State  
Road Com-  
missioner  
for Upper  
Peninsula.

# SWAMP LAND STATE ROAD COMMISSIONER FOR THE UPPER PENINSULA.

Peter Mitchell, having been appointed by the Governor as S. L. S. R. Commissioner for the Upper Peninsula, filed his official bond on this day with the Secretary of State, and took the oath of office.

Bridge over  
Au Sauble  
river.

## BRIDGE OVER AU SAUBLE RIVER.

The former action of the Board, adopting location and plan of the bridge, was rescinded.

On motion,

The bridge was located at the point recommended by Special Commissioner Breckenridge, as shown by the map filed by him this day.

The plan of bridge recommended by Special Commissioner, and filed this day, was adopted.

Authority is hereby given to Special Commissioner to modify said plan, so as to extend the opening to 55 feet, provided the change of plan is found practicable, and that the expense of the bridge, so modified, shall not exceed the amount of the appropriation.

The contract of Special Commissioner with Wm. Scott as principal, and Frederick A. Koehler and R. Tolbert as sureties, was approved.

The account of Bingham, George & Co., for advertising for proposals for building bridge over Au Sauble river, was allowed at \$3 15.

Manistee  
and Leland

## MANISTEE AND LELAND STATE ROAD.

The account of Bingham, George & Co., for advertising notice of letting contracts on said road, was allowed at \$5 25.

St. Mary's  
River and  
Mackinac.

## ST. MARY'S RIVER AND MACKINAC STATE ROAD.

The account of Bingham, George & Co., for advertising notice of letting contracts on said road, was allowed at \$6 30.

## MINERAL RANGE STATE ROAD.

Mineral  
Range.

The account of Bingham, George & Co., for advertising notice of letting contracts on said road, was allowed at \$4 20 ;

Also,

The account of Bingham, Kerr & Co., for advertising notice of letting contracts on the same road, was allowed at \$4 20.

## SAUGATUCK AND OVERISEL STATE ROAD.

Saugatuck  
and Overisel

The account of Bingham, George & Co., for advertising notice of letting contracts on said road, was allowed at \$2 50.

## NEWAYGO AND NORTHPORT STATE ROAD.

Newaygo  
and North-  
port.

The bond of Wm. Holdsworth, Local Commissioner on said road, with Perry Hannah and Smith Barnes as sureties, was approved.

## HASTINGS AND LOWELL STATE ROAD.

Hastings  
and Lowell.

The bond of Travers Phillips, Local Commissioner on said road, with Nathan Barlow and Daniel S. Miller as sureties, was approved.

SOUTHERN DIVISION—PORT AUSTIN AND SANILAC STATE  
ROAD.Southern  
Division—  
Port Austin  
and Sanilac.

The bond of Charles Decker, Local Commissioner on said road, with Watson F. Bisbee and Joseph Merrill as sureties, was approved.

## CASS RIVER AND BAY CITY STATE ROAD.

Cass river  
and Bay  
City.

On recommendation of the S. L. S. R. Commissioner, the contract of J. F. Wiley, dated Sept. 1, 1868, was canceled.

## BERLIN AND GEORGETOWN STATE ROAD.

Berlin and  
Georgetown.

The Governor laid before the Board the Report of Special Commissioner Curtis, appointed by him, as to the contracts of

Ammi Burnham and Ira Y. Burnham, which, on motion, was referred to the Attorney General.

Cass River  
and Bay City

CASS RIVER AND BAY CITY STATE ROAD.

On recommendation of the S. L. S. R. Commissioner, the contract of Archibald Black, C. G. Learned assignee, was extended to September 1, 1869.

Tuscola and  
Bay.

TUSCOLA AND BAY STATE ROAD.

On recommendation of the S. L. S. R. Commissioner, the contract of Archibald Black, C. G. Learned assignee, was extended to September 1, 1869.

Akron Ditch

AKRON DITCH.

The contract of John S. Coy, assigned to C. G. Learned, was extended to September 1, 1869, on recommendation of the S. L. S. R. Commissioner.

Ontonagon  
and Mont-  
real.

ONTONAGON AND MONTREAL RIVER STATE ROAD.

The account of A. Randolph, for services as surveyor and for map, was referred to the S. L. S. R. Commissioner for the Upper Peninsula.

On motion, the Board adjourned.

---

TENTH MEETING.

*Lansing, June 30, 1869.*

The Board met at the office of the Secretary of State.

Present:

Hon. B. D. Pritchard, Com'r State Land Office,

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,

Hon. O. L. Spaulding, Secretary of State.

## ONTONAGON AND MONTREAL RIVER STATE ROAD.

Ontonagon  
and Montreal  
river.

Peter Mitchell, Commissioner for the Upper Peninsula, to whom was referred the account of Albert Randolph, for survey and map of the route of said road, reported in favor of allowing the account at \$600 00. On motion, the claim was allowed at \$600 00.

## BRIDGE OVER AU SAUBLE RIVER.

Bridge over  
Au Sauble  
River.

On motion,

The action of the Board of May 27, adopting the plan of the bridge recommended by Special Commissioner, was modified so far as to adopt the swing of the bridge, approved April 1st, 1868, provided that the expense to the State shall not exceed the appropriation.

## IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD.

Ionia,  
Houghton  
Lake and  
Mackinac.

The account of W. S. George & Co., for publishing notice to contractors on said road, was allowed at \$8 40.

## SAGINAW, GRATIOT, AND NEWAYGO STATE ROAD.

Saginaw,  
Gratiot and  
Newaygo.

The account of John A. Kerr & Co., for publishing notice to contractors on said road, was allowed at \$3 50.

## EAST SAGINAW AND JUNCTION STATE ROAD.

East Sag-  
inaw and  
Junction.

On recommendation of the S. L. S. R. Commissioner, the acceptance of a balance of 252 rods of said road, being an excess by actual measurement of 92 rods over and above the contract of B. B. Buckhout, was approved.

## PORT HURON, BAY CITY, AND LANSING STATE ROAD.

Port Huron,  
Bay City,  
and Lansing

On the same recommendation, the acceptance of the contract of William Mercer, on said road, assigned to E. L. Dunbar, for one mile six chains and thirty-six links, being in full of contract, was approved.

Clio and  
Chesaning.

CLIO AND CHESANING STATE ROAD.

On the same recommendation, the acceptance of the contract in full of Yates T. Cole, on said road, was approved.

Wisconsin  
and Lake  
Superior.

WISCONSIN AND LAKE SUPERIOR STATE ROAD.

On the same recommendation, the acceptance of the contract of Kirby, Carpenter & Co., Spaulding & Porter, Ludington, Wells & Co., from the mouth of the Menominee river to one-half mile south of stake No. 8, on said road, being eight miles, was approved.

Genesee and  
Saginaw.

GENESEE AND SAGINAW STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of Yates T. Cole, on said road, assigned to Minerva Parshall, administratrix of the estate of Israel Parshall, deceased, for one mile, on which she is entitled to 720 acres of land, was approved.

Antrim  
Ditch.

ANTRIM DITCH.

The bond of David Parker, Local Commissioner on said ditch, with John N. Ingersoll and Jerome W. Turner as sureties, was approved.

White Lake  
and Big  
Rapids.

WHITE LAKE AND BIG RAPIDS STATE ROAD.

The bond of Josiah M. Cook, Local Commissioner on said road, with Alfred S. Mason and Esek P. Clark as sureties, was approved.

Cotton  
Wood  
Swamp.

COTTON WOOD SWAMP STATE ROAD.

The survey and route of said road, filed this day, was adopted.

Saginaw  
City and  
Owosso.

SAGINAW CITY AND OWOSSO STATE ROAD.

The survey and route of said road, filed this day by J. H. Leavenworth, was adopted.

## HASTINGS AND LOWELL STATE ROAD.

Hastings  
and Lowell.

The survey and route of said road, this day filed, was adopted.

MIDLAND, HOUGHTON LAKE, AND GRAND TRAVERSE STATE ROAD. Midland,  
Houghton  
Lake and  
Grand Traverse.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of Theodore Bathy, No. 4, eastern division, was approved so far as to allow him 900 acres of local scrip, and 900 acres of general scrip, he having so far completed his contract that there is due him 1,280 acres general, and 1,123 four-sevenths acres local scrip.

On motion, the Board adjourned.

## ELEVENTH MEETING.

*Lansing, July 7, 1869.*

The Board met at the office of the Secretary of State and adjourned.

## TWELFTH MEETING.

*Lansing, July 28, 1869.*

The Board met at the office of the Secretary of State.

Present:

Hon. H. P. Baldwin, Governor,  
Hon. E. O. Grosvenor, State Treasurer,  
Hon. Wm. Humphrey, Auditor General,  
Hon. Dwight May, Attorney General,  
Hon. O. L. Spaulding, Secretary of State.



Bridge over  
Au Sauble  
River.

#### BRIDGE OVER THE AU SAUBLE RIVER.

The account of the "Iosco County Gazette," for advertising, was allowed at \$3 75.

White Lake  
and Big  
Rapids.

#### WHITE LAKE AND BIG RAPIDS STATE ROAD.

The field notes and diagram of survey of said road, filed July 28, 1869, were approved from Big Rapids to section 10 of the survey.

Western Di-  
vision—  
Sanilac and  
Bay.

#### WESTERN DIVISION—SANILAC AND BAY STATE ROAD.

It appearing from new proof presented to this Board by Jas. J. McCormick, that injustice was done him by action of the Board of October 30, 1867, in canceling his contract within the village of Portsmouth, and on recommendation of the S. L. S. R. Commissioner, to whom the matter had been referred for further investigation, and it appearing that said contractor built 100 rods of road in accordance with his contract, for which he has not been paid (being that part of said road lying in the village of Portsmouth),

*Resolved*, That said James J. McCormick be paid the sum of two hundred and fifty dollars in swamp lands, being the balance due on said contract.

#### AU SAUBLE RIVER BRIDGE.

Au Sauble  
river Bridge.

Frederick A. Koehler, of East Saginaw, one of the sureties on the contract of William Scott, appeared before the Board and filed an assignment of Mr. Scott of all his interest in said contract, to him the said Koehler, and the said Koehler having presented a new contract made by himself as principal with Wm. H. Button, Land, Priest, and Gay, and William F. Gleasby as sureties, for the completion of said bridge by the 15th day of September next, the said contract was, on motion, approved.

Duncan,  
Alpena and  
Sauble  
River.

#### DUNCAN, ALPENA, AND SAUBLE RIVER STATE ROAD.

The account of E. B. Chamberlain, Local Commissioner on said road, was allowed at \$51 00;

Also,

The account of W. S. George & Co., for advertising letting of contracts on said road, was allowed at \$7 35.

WHITE LAKE AND BIG RAPIDS STATE ROAD.

White Lake  
and Big  
Rapids.

The account of W. S. George & Co., for advertising letting of contracts on said road, was allowed at \$4 20.

CLIO AND CHESANING STATE ROAD.

Clio and  
Chesaning.

The account of W. S. George & Co., for advertising letting of contracts on said road, was allowed at \$2 10.

COTTONWOOD SWAMP STATE ROAD.

Cottonwood  
Swamp.

The account of W. S. George & Co., for advertising letting of contracts on said road, was allowed at \$2 10.

HASTINGS AND LOWELL STATE ROAD.

Hastings  
and Lowell.

The account of W. S. George & Co., for advertising letting of contracts on said road, was allowed at \$10 50.

PORT AUSTIN AND SANILAC STATE ROAD.

Port Austin  
and Sanilac.

The acceptance by the Local Commissioner of the contract of Wm. R. Stafford, from mile post No. 48 to mile post No. 52, was approved on recommendation of the S. L. S. R. Commissioner so as to allow the contractor \$2,400 00 in swamp land;

Also,

On the same recommendation, the acceptance of the contract of Wm. R. Stafford, of sections 47 and 48, on said road, was approved.

EASTERN DIVISION—MIDLAND, HOUGHTON LAKE, AND TRAVERSE BAY STATE ROAD.

Eastern Division—  
Midland  
Houghton  
Lake and  
Traverse  
Bay.

On recommendation as above, the acceptance of the contract of Theodore Bathy, of section 19 of said road, was approved

so as to allow payment to contractor of eleven hundred and twenty-five dollars in swamp land;

Also,

On like recommendation, the acceptance of the contract of Theodore Bathy, of sections 20 and 21, was approved so as to allow payment to contractor of one thousand dollars in swamp land.

Lapeer and  
Tuscola.

#### LAPPEER AND TUSCOLA STATE ROAD.

On recommendation as above, the acceptance of the contract of Hiram Curtis in full, was approved.

East Saginaw and  
Junction.

#### EAST SAGINAW AND JUNCTION STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by the Local Commissioner, of the contract of B. B. Buckhout, from the S. W. corner of Sec. 17, T. 12 N., of R. 6 E., to the quarter stake between sections 18 and 19, being one-half mile of said road, was approved.

Northern  
Division—  
Sanilac and  
Huron.

#### NORTHERN DIVISION—SANILAC AND HURON STATE ROAD.

On like recommendation, the acceptance of the contract of Green Pack, from Port Crescent to Bad Ax, on said road, was approved so as to allow payment to contractor of \$6,000 00 in swamp land.

Muskegon  
and Cedar  
Springs.

#### MUSKEGON AND CEDAR SPRINGS STATE ROAD.

On like recommendation, the acceptance of the contract of Stephen C. Hall, on said road, was approved so as to allow payment to contractor of \$3,200 00 in swamp land.

Newaygo  
and North-  
port.

#### NEWAYGO AND NORTHPORT STATE ROAD.

The acceptance by a Local Commissioner of the contract of J. M. Cook & Co., was, on recommendation as above, approved so as to allow payment to contractor of \$4,800 00 in swamp land.

**FIRST DIVISION—ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.**

First Division—  
Allegan,  
Muskegon,  
and Traverse Bay.

On like recommendation, the acceptance of the contract of John F. Bird, on said road, was approved so as to allow payment to contractor of \$1,200 00 in swamp land.

**PORT AUSTIN AND SANILAC STATE ROAD.**

Port Austin  
and Sanilac.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of George W. Pack, from mile post No. 59 to mile post No. 64, on said road, was approved in full.

**SOUTHERN DIVISION—SANILAC AND HURON STATE ROAD.**

Southern  
Division—  
Sanilac and  
Huron.

On like recommendation, the acceptance of the contract of Joseph Heathcote, was approved so as to allow payment to the contractor of \$525 00 in swamp land.

**PORT AUSTIN AND SANILAC STATE ROAD.**

Port Austin  
and Sanilac.

On motion, the line of said road was changed to correspond with diagram and field notes this day filed in the office of the S. L. S. R. Commissioner.

**WISCONSIN AND LAKE SUPERIOR STATE ROAD.**

Wisconsin  
and Lake  
Superior.

On the recommendation of the S. L. S. R. Commissioner for the Upper Peninsula, the line of said road was changed between the 18th and 40th mile posts, so as to correspond with diagram and field notes this day filed in the said Commissioner's office in Lansing.

**SAGINAW, GRATIOT, AND NEWAYGO STATE ROAD.**

Saginaw,  
Gratiot and,  
Newaygo.

On the recommendation of the S. L. S. R. Commissioner, the acceptance of the contract of Jonah F. Lathrop, from section stake 7 to section stake 10, on said road, was approved so as to allow payment to contractor of \$4,100 00.

Eastern  
Division—  
Midland,  
Houghton  
Lake, and  
Traverse  
Bay.

EASTERN DIVISION—MIDLAND, HOUGHTON LAKE, AND  
TRAVERSE BAY STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the acceptance by a Local Commissioner of the contract of John G. Owen, of sections 47 to 56, inclusive, on said road, was approved so as to allow payment to contractor of \$10,571 00

On motion, the Board adjourned.

---

THIRTEENTH MEETING.

*Lansing, August 26, 1869.*

On this day the Board of Control met at the office of the Secretary of State.

Present:

Hon. H. P. Baldwin, Governor,  
Hon. Wm. Humphrey, Auditor General,  
Hon. E. O. Grosvenor, State Treasurer,  
Hon. O. L. Spaulding, Secretary of State.

The following business was transacted, viz:

Cass River  
and Bay  
City.

CASS RIVER AND BAY CITY STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the contract of Maxime Sansisee was approved in full.

On recommendation of the S. L. S. R. Commissioner, the contract of A. C. Maxwell, No. 1, new series, was approved so as to allow the contractor payment of \$800 00.

On recommendation of the S. L. S. R. Commissioner, the contract of Luther Hawkins was approved in full.

Southern  
Division—  
Sanilac and  
Huron.

SOUTHERN DIVISION—SANILAC AND HURON STATE ROAD.

The account of Charles Decker, Local Commissioner, was allowed at \$128 25.

On recommendation of the S. L. S. R. Commissioner, the contract of Joseph Heathcote was approved in full, a part of said contract having been formerly approved.

## NEWAYGO AND NORTHPORT STATE ROAD.

Newaygo  
and North-  
port.

On the recommendation of the S. L. S. R. Commissioner, the contract of J. M. Cook & Co.,—sections 69 and 70, 71, 72, and 73,—was approved so as to allow payment on  $4\frac{1}{2}$  miles,—\$3,600 00.

## OVID AND ST. CHARLES STATE ROAD.

Ovid and St.  
Charles.

On the recommendation of the S. L. S. R. Commissioner, the contract of N. Peacock was approved so as to allow payment to the contractor of \$3,150 00.

## ALMA AND CLINTON STATE ROAD.

Alma and  
Clinton.

On the recommendation of the S. L. S. R. Commissioner, the contract of L. A. George, No. 2, was approved in full.

## MONTCALM AND GRATIOT STATE ROAD.

Montcalm  
and Gratiot.

On the recommendation of the S. L. S. R. Commissioner, the contract of Robert Wood, No. 2, was approved so as to allow the payment of \$1,800 00.

On the recommendation of the S. L. S. R. Commissioner, the contract of Micajah Douglass, No. 4, was approved so as to allow the payment in full for the bridge of \$500 00.

## DUNCAN, ALPENA, AND SAUBLE RIVER STATE ROAD.

Duncan,  
Alpena and  
Sauble  
River.

The account of E. B. Chamberlain, Local Commissioner, was allowed at \$36 00.

The account of A. C. Tefft, surveyor, which also included an account for chainman (\$15 00), was allowed at \$70 00.

## CRAWFORD'S QUARRY STATE ROAD.

Crawford's  
Quarry.

The account of E. B. Chamberlain, Local Commissioner, was allowed at \$21 00.

## UPPER PENINSULA.

North  
Division—  
Bay De Noc  
and Green  
Bay.

NORTH DIVISION—BAY DE NOC AND GREEN BAY STATE  
ROAD.

On the recommendation of the S. L. S. R. Commissioner, the contract of Mark English, No. 1, was approved so as to allow payment to the contractor of four sections of land, 2,560 acres.

Ontonagon  
and Montre-  
al river.

ONTONAGON AND MONTREAL RIVER STATE ROAD.

The account of W. S. George & Co., for advertising, was allowed at \$7 00.

On the recommendation of the S. L. S. R. Commissioner, the contract of J. A. Crozier & Co., No. 1, for four and one-half miles, being from the west bank of the Ontonagon river to the four and one-half mile stake, was approved in full.

St. Mary's  
River and  
Mackinac.

ST. MARIE'S RIVER AND MACKINAC STATE ROAD.

On the recommendation of the S. L. S. R. Commissioner, the contract of W. H. Hill, from the 48th mile stake to the 55th mile stake, 7 miles, was approved in full.

Port Austin  
and Union-  
ville.

PORT AUSTIN AND UNIONVILLE STATE ROAD.

The bond of Charles B. Cottrell, Local Commissioner, with Richard Smith and Levi L. Wixson as sureties, was approved.

Montcalm  
and Gratiot

MONTCALM AND GRATIOT STATE ROAD.

The bond of James Gargett, with Charles W. Tann and A. Yerington as sureties, was approved.

Bridge over  
Au Sauble  
River.

BRIDGE OVER AU SAUBLE RIVER.

The account of John W. Slater, for plans of bridge, was allowed at \$60 00.

The account of E. F. Guild, of \$60`00, for plan of bridge which was not adopted, was rejected.

## RIPLEY DITCH.

Ripley Ditch

Application of several persons in Sanilac county having been received for the expenditure of the balance of the appropriation upon this ditch, the whole subject was referred to the S. L. S. R. Commissioner for investigation, with directions to report to the Board as early as practicable.

## MONTCALM AND GRATIOT STATE ROAD.

Montcalm  
and Gratiot.

On the recommendation of the S. L. S. R. Commissioner, the contract of Robert Wood, No. 2, was approved so far as to allow the payment of the balance of amount due on the second mile on north end, \$350 00.

## LAPEER AND TUSCOLA STATE ROAD.

Lapeer and  
Tuscola.

Alexander Newman, a contractor, appeared before the Board and asked relief for losses sustained upon his contract. Upon consideration, it was determined by the Board that they had no authority to grant the relief asked for.

NORTHWESTERN DIVISION—MIDLAND, HOUGHTON LAKE, AND  
TRAVERSE BAY STATE ROAD.Northwest-  
ern Division  
—Midland,  
Houghton  
Lake and  
Traverse  
Bay.

On the recommendation of the S. L. S. R. Commissioner, the contract, No. 1, of O. L. Noble, was approved so as to allow payment to contractor of \$22,000 on the sixteen miles from the 21st to the 37th mile stake.

On the recommendation of the S. L. S. R. Commissioner, the said contractor is also allowed \$4,800 00, balance due on the 12 miles accepted and approved Dec. 31st, 1868.

On motion, the Board adjourned.



## FOURTEENTH MEETING.

*Lansing, October 5, 1869.*

On this day the Board of Control met at the office of the Secretary of State.

Present:

Hon. H. P. Baldwin, Governor,

Hon. O. L. Spaulding, Secretary of State,

Hon. E. O. Grosvenor, State Treasurer,

Hon. B. D. Pritchard, Com'r State Land Office,

Hon. Wm. Humphrey, Auditor General,

When the following business was transacted, viz:

**Akron Ditch****AKRON DITCH.**

The bond of Ira Graves, as Commissioner, with Charles Curtis and H. J. Moss as sureties, was approved.

**Ontonagon  
and Montreal  
River.****ONTONAGON AND MONTREAL RIVER STATE ROAD.**

On the recommendation of the S. L. S. R. Commissioner, an acceptance on J. W. Crozier & Co.'s contract was approved, from the four and one-half mile to the six and one-half mile stake, \$2,933 33.

**Au Sauble  
river Bridge.****AU SAUBLE RIVER BRIDGE.**

The contract of F. A. Koehler was approved in full, \$6,400 00, and ordered paid in State swamp lands.

**Branch of  
Mackinac  
and Delta.****BRANCH OF MACKINAC AND DELTA STATE ROAD.**

The map and field notes this day filed by Peter Mitchell was approved.

**Allegan,  
Muskegon  
and Traverse  
Bay.****ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.**

On the recommendation of the S. L. S. R. Commissioner, the contract of S. M. Shertleff was extended until the 1st day

of May, 1870, the assent of the sureties having been this day filed with the Board.

PORT HURON, BAY CITY, AND LANSING STATE ROAD.

Port Huron,  
Bay City,  
and Lansing

On the representation of R. C. Dart, of the condition of contract No. 16, upon said road, the Board requested the Governor to appoint a Special Commissioner who should examine the road and report if the conditions of the contract have been complied with,—said contract covering that portion of the road lying between section stakes Nos. 21 and 22.

Mr. L. B. Curtis was appointed as such Commissioner.

PORT AUSTIN AND UNIONVILLE STATE ROAD.

Port Austin  
and Union-  
ville.

The map and field notes this day filed with the Board, was approved.

CRAWFORD'S QUARRY STATE ROAD.

Crawford's  
Quarry.

The map and field notes this day filed with the Board, was approved.

DUNCAN, ALPENA, AND AU SAUBLE STATE ROAD.

Duncan, Al-  
pena, and  
Au Sauble.

Change of route adopted, as shown by the map and field notes this day approved and filed in the State Road Office.

SAGINAW, GRATIOT, AND NEWAYGO STATE ROAD.

Saginaw,  
Gratiot and  
Newaygo.

The contract of J. F. Lathrop, H. C. Ripley assignee, was approved, \$4,100 00.

MONTCALM AND GRATIOT STATE ROAD.

Montcalm  
and Gratiot.

The contract of Jabez Hawkins was approved, \$2,800 00.

ALMA AND CLINTON STATE ROAD.

Alma and  
Clinton.

The contract of C. Keath was approved in full.

Vienna and  
State Line.

#### VIENNA AND STATE LINE STATE ROAD.

The account of R. M. Bingham, Local Commissioner, was allowed at \$57 00.

The contract of C. Hertzler was approved in full.

Duncan,  
Alpena and  
Au Sauble.

#### DUNCAN, ALPENA, AND AU SAUBLE STATE ROAD.

The account of E. B. Chamberlain, Local Commissioner, was allowed at \$57 00.

The contract of Ovid Smith and Paulet Cicero was approved at \$3,350 00.

Manistee  
and Leland.

#### MANISTEE AND LELAND STATE ROAD.

The account of V. F. Thurston, Local Commissioner, was allowed at \$314 25.

The contract of Hulburt & Thurston, contract No. 3, miles 1 to 6, inclusive, in south division, and north one-half of mile No. 3, and north three-fourths of mile No. 4, and north three-fourths of mile No. 5, and south one-fourth of mile No. 6, being  $8\frac{1}{4}$  miles, was approved.

The account of V. F. Thurston, Local Commissioner, was allowed at \$185 25.

The contract of Delbridge & Crouse, contract No. 1, sections 25 and 26, north one-half of 27, and all of 28,  $3\frac{1}{2}$  miles, was approved.

The contract of Delbridge & Welch, contract No. 2, all of mile 13, south one-half of 16, all of 18 and 19, and fractional mile 22, approved ( $5\frac{1191}{1000}$  miles).

The petition of the citizens asking for a change of route so as to cross the narrows in Glen Lake was presented; and upon hearing the statements of both parties, the S. L. S. R. Commissioner was instructed to order all work suspended upon that part of the road between stakes 5 and 15, in order that the Board might be more fully apprized of the wish of the people.

Change of route adopted in town 27 N., of R. 15 W., on Secs. 24, 25, 26, and 27, as shown by map and field notes this day approved and filed in the State Road Office.

## NEWAYGO AND NORTHPORT STATE ROAD.

Newaygo  
and North-  
port.

The contract of J. M. Cook & Co., contract No. 24, Secs. 69, 70, 71, 72, and 73, was approved, being the balance due, \$400 00.

Contract of J. M. Cook & Co., contract No. 24, balance of contract approved, \$800 00.

## WHITE LAKE AND BIG RAPIDS STATE ROAD.

White Lake  
and Big  
Rapids.

Contract No. 1, E. P. Clark contractor, first three miles from Big Rapids, was approved.

## RIPLEY DITCH.

Ripley Ditch

The Board authorized the Commissioner to expend the unexpended balance of the appropriation upon the extension of said ditch, as per survey this day filed and approved.

## PORT AUSTIN AND SANILAC STATE ROAD.

Port Austin  
and Sanilac.

The contract of G. W. Pack, No. 15, was approved in full.

## NORTH DIVISION—SANILAC AND HURON STATE ROAD.

Northern  
Division—  
Sanilac and  
Huron.

Contract of E. & J. Erskine, No. 2, south one-half of Sec. 31, all of Secs. 32, 33, 34, and 35, was approved.

## SOUTH DIVISION—SANILAC AND HURON STATE ROAD.

Southern  
Division—  
Sanilac and  
Huron.

Contract of E. & J. Erskine, No. 4, for one mile, was approved in full.

Contract of Morris Cocoman, No. 6, for one mile, was approved in full.

Contract No. 7, of Alfred Gunning, assigned to Morris Cocoman, two miles, approved in full.

Muskegon  
and Cedar  
Springs.

# MUSKEGON AND CEDAR SPRINGS STATE ROAD.

Contract of Stephen C. Hall, No. 3, was approved so as to allow the contractor \$5,600 00.

East Saginaw  
and Au Sauble.

# EAST SAGINAW AND AU SAUBLE STATE ROAD.

The contract of J. F. Hotchkiss, No. 2, under act 505, of the Session Laws of 1867, approved so as to allow the contractor \$3,000 00.

East Division—  
Midland,  
Houghton  
Lake and  
Traverse  
Bay.

# EAST DIVISION—MIDLAND, HOUGHTON LAKE, AND TRAVERSE BAY STATE ROAD.

The contract of Theodore Bathy, No. 4, was approved so as to allow the contractor \$3,200 00 as follows, viz: \$1,707 00 general scrip, and \$1,493 00 in Gladwin county.

Ovid and  
St. Charles.

# OVID AND ST. CHARLES STATE ROAD.

The contract of N. Peacock, No. 1, was approved so as to allow the contractor \$520 00.

Midland and  
Isabella.

# MIDLAND AND ISABELLA STATE ROAD.

The contract of J. M. Sursh, No. 20, one mile, was approved in full.

Cass River  
and Bay City

# CASS RIVER AND BAY CITY STATE ROAD.

The contract of Geo. Carlan, No. 3, new series, was approved, \$200 00.

The contract of Elias Steele was approved, \$800 00.

Lapeer and  
Tuscola.

# LAPEER AND TUSCOLA STATE ROAD.

The contract of Alexander Newman, No. 2, was approved, \$1,500 00.

Hastings  
and Lowell.

# HASTINGS AND LOWELL STATE ROAD.

The account of Geo. M. Dewey, for advertising, was allowed at \$13 25.

## IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD.

Ionia,  
Houghton  
Lake and  
Mackinac.

The account of Wm. Broomfield, Local Commissioner, E. Hall assignee, was allowed at \$60 67.

The contract of Edmund Hall, No. 25, one mile, was approved in full.

The contract of Edmond Hall, No. 23, was approved, \$5,500 00.

## WEST DIVISION—ALMA AND CLINTON STATE ROAD.

West Division—  
Alma and  
Clinton.

The contract of Van Riper & Hitchcock, No. 1, east  $2\frac{1}{2}$  miles, was approved in full.

## SAGINAW CITY AND OWOSSO STATE ROAD.

Saginaw  
City and  
Owosso.

Corrected survey, map, and field notes this day filed and approved.

## BLACK RIVER DITCH.

Black River  
Ditch.

The contract of E. & J. Erskine was extended to December 1, 1869.

## PORT SANILAC AND TUSCOLA STATE ROAD.

Port Sanilac  
and Tuscola.

The contract of Martin Moor, last three-fourths mile, was approved in full, being the completion of the contract.

On motion, the Board adjourned.

---

FIFTEENTH MEETING.

*Lansing, October 27, 1869.*

On this day the Board of Control met at the office of the Secretary of State, when the following business was transacted, to-wit:

Sanilac and  
Bay.

# SANILAC AND BAY STATE ROAD.

The contract of E. B. Ward was approved so as to allow the contractor \$3,000 00.

White Lake  
and Big  
Rapids.

# WHITE LAKE AND BIG RAPIDS STATE ROAD.

The contract of E. P. Clark was approved so as to allow the contractor \$3,750 00.

Ionia,  
Houghton  
Lake and  
Mackinac.

# IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD.

The contract of Edgar L. Gray, three miles, was approved in full, \$2,962 50.

The contract of H. M. Johnson, under act 448, of laws of 1869, was approved so as to allow the contractor \$3,750 00.

Duncan, Al-  
pena and Au  
Sable.

# DUNCAN, ALPENA, AND AU SAUBLE STATE ROAD.

(No. 1, Last Series.)

The contract of Smith & Cicero was approved so as to allow the contractors \$1,750 00.

East Sagi-  
naw and  
Au Sauble.

# EAST SAGINAW AND AU SAUBLE STATE ROAD.

The contract of J. F. Hotchkiss was approved so as to allow the contractor \$3,000 00.

Eastern  
Division—  
Midland,  
Houghton  
Lake and  
Traverse Bay

# EASTERN DIVISION—MIDLAND, HOUGHTON LAKE, AND TRAVERSE BAY STATE ROAD.

The contract of George Renhart was approved in full.

Greenville  
and Big  
Rapids.

# GREENVILLE AND BIG RAPIDS STATE ROAD.

The contract of J. B. Barr was approved so as to allow the contractor \$3,750 00.

Lexington  
and Flint  
river.

# LEXINGTON AND FLINT RIVER STATE ROAD.

The contract of J. L. Woods was approved so as to allow the contractor \$2,500 00.

**EASTERN DIVISION—PORT HURON, BAY CITY, AND LANSING STATE ROAD.**

Eastern Division—  
Port Huron,  
Bay City,  
and Lansing.

The contract of J. L. Woods was approved so as to allow the contractor \$10,450 00.

**NORTHERN DIVISION—SANILAC AND HURON STATE ROAD.**

Northern Division—  
Sanilac and  
Huron.

The contract of Green Pack was approved so as to allow the contractor \$5,000 00.

**SAGINAW, GRATIOT, AND NEWAYGO STATE ROAD.**

Saginaw,  
Gratiot, and  
Newaygo.

The contract of J. F. Lathrop, from Sec. stake 7, to Sec. stake 10, was approved so as to allow the contractor \$400 00, balance.

The contract of J. F. Lathrop, from Sec. stake 10, to Sec. stake 13, was approved so as to allow the contractor \$400 00, balance.

**IONIA AND SMYRNA STATE ROAD.**

Ionia and  
Smyrna.

The account of Richard Vasper, Local Commissioner, was allowed at \$72 40.

**OVID AND ST. CHARLES STATE ROAD.**

Ovid and St.  
Charles.

The contract of N. Peacock was approved so as to allow the contractor \$1,000 00.

**PORT AUSTIN AND SANILAC STATE ROAD.**

Port Austin  
and Sanilac.

The account of C. B. Cottrell, Local Commissioner, was allowed at \$33 00.

The contract of W. R. Stafford, under act 339, of laws of 1865,—balance of \$800 00, was allowed.

The contract, No. 12, of John Cole, J. L. Woods assignee, three miles, was approved in full.

On motion, the Board adjourned.



## SIXTEENTH MEETING.

*Lansing, November 24, 1869.*

On this day the Board met at the office of the Secretary of State.

Present:

Hon. H. P. Baldwin, Governor.

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,

Hon. B. D. Pritchard, Com'r State Land Office,

Hon. O. L. Spaulding, Secretary of State,

When the following business was transacted, to-wit:

Duncan,  
Alpena and  
Au Sauble.

## DUNCAN, ALPENA, AND AU SAUBLE STATE ROAD.

The contract of Ovid Smith and Paulett Cicero, No. 1, new series, was extended to September 1, 1870.

Midland,  
Houghton  
Lake and  
Grand  
Traverse.

## MIDLAND, HOUGHTON LAKE, AND GRAND TRAVERSE STATE ROAD.

The contract of Theodore Bathy, No. 4, was extended to November 1, 1870, on condition that the force shall be kept up.

Ovid and St.  
Charles.

## OVID AND ST. CHARLES STATE ROAD.

The contract of Nicholas Peacock, No. 1, was extended to October 1, 1870, on condition that the force shall be kept up.

Muskegon  
and Cedar  
Springs.

## MUSKEGON AND CEDAR SPRINGS STATE ROAD.

The contract of Stephen C. Hall, No. 3, was extended to November 1, 1870, on condition that the force shall be kept up.

Northern  
Division—  
Sanilac and  
Huron.

## NORTHERN DIVISION—SANILAC AND HURON STATE ROAD.

The contract of E. & J. Erskine was extended to September 1, 1870.

The contract of Green Pack, No. 1, was extended to October 1, 1870.

MIDLAND, HOUGHTON LAKE, AND GRAND TRAVERSE STATE ROAD. Midland, Houghton Lake and Grand Traverse.

The contract of J. G. Owen, No. 3, was extended to October 1, 1870.

BRIDGETON AND OSCEOLA STATE ROAD. Bridgeton and Osceola.

The contract of E. L. Gray was extended to June 1, 1870.

CASS RIVER AND BAY CITY STATE ROAD. Cass river and Bay City

The contract of A. C. Maxwell, No. 1, new series, was extended to July 1, 1870.

MONTCALM AND GRATIOT STATE ROAD. Montcalm and Gratiot.

The contract of Jabez Hawkins, No. 1, was extended to November 1, 1870.

GREENVILLE AND BLOOMER STATE ROAD. Greenville and Bloomer

The contract of Benjamin Hall, No. 1, was extended to September 1, 1870.

IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD. Ionia, Houghton Lake and Mackinac.

The contract of E. Hall, No. 23, was extended to November 1, 1870.

The contract of Hall and Gray, No. 22, was extended to November 1, 1870.

The contract of E. Hall was extended to November 1, 1870.

WESTERN DIVISION—ALMA AND CLINTON STATE ROAD. Western Division—Alma and Clinton.

The contract of E. Hall was extended to November 1, 1870.

Alma and  
Clinton.

ALMA AND CLINTON STATE ROAD.

The contract of J. W. Van Riper & G. L. Hitchcock was extended to November 1, 1870.

Hastings  
and Lowell.

HASTINGS AND LOWELL STATE ROAD.

The account of George M. Dewey, having been allowed October 6th, 1869, and afterwards allowed by the Board of Supervisors, the action of the Board of October 6, 1869, was revoked and the account rejected.

Port Hope  
and Wild  
Fowl Bay.

PORT HOPE AND WILD FOWL BAY STATE ROAD.

The bond of James Miller, as Local Commissioner, was approved and filed November 24, 1869.

Ripley Ditch  
extension.

RIPLEY DITCH EXTENSION.

The bond of J. C. Waterbury, as Local Commissioner, was approved and filed November 24, 1869.

Au Sauble  
river Bridge.

AU SAUBLE RIVER BRIDGE.

The account of E. A. Breckenridge, Local Commissioner, was allowed at \$96 00, and an account of \$45 00 was suspended and the balance rejected.

Allegan,  
Muskegon  
and Traverse  
Bay.

ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

Change of route adopted, as shown by map and field notes this day approved and filed in the State Road Office.

Berlin and  
Georgetown.

BERLIN AND GEORGETOWN STATE ROAD.

Change of route adopted, as shown by map and field notes this day approved and filed in the State Road Office.

Newaygo  
and North-  
port.

NEWAYGO AND NORTHPORT STATE ROAD.

Change of route adopted, as shown by map and field notes this day approved and filed in the State Road Office.

## EAST SAGINAW AND AU SAUBLE STATE ROAD.

East Saginaw and Au Sauble.

Change of route adopted, as shown by map and field notes this day approved and filed in the State Road Office.

## IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD.

Ionia, Houghton Lake and Mackinac.

The contract of E. Hall, No. 23, was approved so as to allow the contractor \$6,923 00.

The contract of E. Hall, No. 25, was approved in full, \$1,600 00.

## SOUTHERN DIVISION—IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD.

Southern Division—Ionia, Houghton Lake and Mackinac.

The contract of H. M. Johnson, No. 1, under act No. 448, of 1869, was allowed so as to pay the contractor \$1,000 00.

The contract of H. M. Johnson, No. 1, was approved from 8th mile post to 11th, and from 14th to 16th, and from 18th to 19th, \$2,450 00.

## ALMA AND CLINTON STATE ROAD.

Alma and Clinton.

The contract of P. Burlingame, No. 8, was approved in full, \$200 00.

## WESTERN DIVISION—ALMA AND CLINTON STATE ROAD.

West Division—Alma and Clinton.

The contract of Van Riper & Hitchcock was approved in full, \$2,500 00.

## SOUTHERN DIVISION—ALMA AND CLINTON STATE ROAD.

Southern Division—Alma and Clinton.

The contract of C. W. Tann, No. 5, was approved so as to allow the contractor \$1,600 00.

## MONTCALM AND GRATIOT STATE ROAD.

Montcalm and Gratiot.

The contract of Robert Wood, No. 2, was approved in full, \$200 00.

The contract of Robert Wood, No. 5, was approved so as to allow the contractor \$1,000 00.

The contract of Micajah Douglass, No. 4, was approved so as to allow the contractor \$1,250 00.

The contract of B. Mackintosh, No. 2, was approved in full, \$3,200 00.

The contract of Charles Merrill, assignee of Jabez Hawkins, approved so as to allow the assignee \$1,575 00.

Greenville  
and Bloomer

#### GREENVILLE AND BLOOMER STATE ROAD.

The contract of Benjamin Hall, dated October 20, 1868, and approved November 14, 1868, was approved so as to allow the contractor \$1,200 00.

White Lake  
and Big  
Rapids.

#### WHITE LAKE AND BIG RAPIDS STATE ROAD.

The contract of E. P. Clark, No. 1, was approved from the 7th to the 9th mile post, inclusive.

The account of J. M. Cook, Local Commissioner, was allowed at \$200 00.

Eastern  
Division—  
Midland,  
Houghton  
Lake, and  
Traverse  
Bay.

#### EASTERN DIVISION—MIDLAND, HOUGHTON LAKE, AND TRAVERSE BAY STATE ROAD.

The contract of Theodore Bathy, No. 4, Sec. 19, was approved so as to allow \$200 00 in general scrip, and \$177 22 in Midland county scrip.

Midland,  
Houghton  
Lake and  
Traverse  
Bay.

#### MIDLAND, HOUGHTON LAKE, AND TRAVERSE BAY STATE ROAD.

The contract of Theodore Bathy, No. 4,  $\frac{1}{2}$  of Secs. 20 and 21, was approved so as to allow the contractor \$275 00 balance in general scrip, and \$227 23 in Midland and Gladwin county.

The contract of Theodore Bathy, No. 4,  $\frac{1}{2}$  of Secs. 20 and all of 22 and 23, was approved so as to allow contractor \$100 00 in general scrip, and \$100 00 in Gladwin county.

WESTERN DIVISION—MIDLAND, HOUGHTON LAKE, AND TRAVERSE BAY STATE ROAD.

Western  
Division—  
Midland,  
Houghton  
Lake and  
Traverse Bay

The contract of O. L. Noble, No. 1, from 21st to 37th mile, was approved in full.

MIDLAND, HOUGHTON LAKE, AND TRAVERSE BAY STATE ROAD.

Midland,  
Houghton  
Lake and  
Traverse  
Bay.

The contract of O. L. Noble was approved so as to allow contractor \$34,450 00.

CASS RIVER AND BAY CITY STATE ROAD.

Cass River  
and Bay  
City.

The contract of A. C. Maxwell was approved so as to allow the contractor \$10,000 00.

The contract of Wm. Hawkins was approved in full.

CLIO AND CHESANING STATE ROAD.

Clio and  
Chesaning.

The contract of Benjamin Lockwood was approved in full.

The contract of J. L. Cormer was approved in full.

The account of Henry James, Local Commissioner, was allowed at \$87 00.

NEWAYGO AND NORTHPORT STATE ROAD.

Newaygo  
and North-  
port.

The account of Wm. Holdsworth, Local Commissioner, of \$107 00, was allowed at \$74 00.

LAPEER AND TUSCOLA STATE ROAD.

Lapeer and  
Tuscola.

The contract of Alexander Newman was approved in full, \$100 00.

ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

Allegan,  
Muskegon  
and Traverse  
Bay.

The contract of J. T. Bird was approved in full, \$400 00.

IONIA AND SMYRNA STATE ROAD.

Ionia and  
Smyrna.

The contract of D. F. Frazelle, L. B. Townsend assignee, was approved in full.

Eastern  
Division—  
Sanilac and  
Bay.

EASTERN DIVISION—SANILAC AND BAY STATE ROAD.

The contract of E. B. Ward, No. 7, was approved so as to allow contractor \$900 00.

Ovid and St.  
Charles.

OVID AND ST. CHARLES STATE ROAD.

The contract of N. Peacock, No. 1, was approved so as to allow contractor \$2,000 00.

East Saginaw  
and Au Sauble.

EAST SAGINAW AND AU SAUBLE STATE ROAD.

The contract of J. T. Hotchkiss, Sec. 3, was approved so as to allow contractor \$2,500 00.

Antrim  
Ditch.

ANTRIM DITCH.

The contract of H. B. Young was approved so as to allow contractor \$575 00.

Duncan, Alpena  
and Au Sauble.

DUNCAN, ALPENA, AND AU SAUBLE STATE ROAD.

The contract of Paulet Cicero, No. 2, act No. 505, of 1867, was approved so as to allow the contractor \$1,250 00.

The account of E. B. Chamberlain, Local Commissioner, was allowed at \$51 00.

Muskegon  
and Cedar  
Springs.

MUSKEGON AND CEDAR SPRINGS STATE ROAD.

The contract of S. C. Hall, No. 3, was approved, \$1,600 00.

Black River  
Ditch.

BLACK RIVER DITCH.

The contract of E. & J. Erskine was approved in full.

Port Huron,  
Bay City  
and Lansing.

PORT HURON, BAY CITY, AND LANSING STATE ROAD.

Report of L. B. Curtis adopted, recommending the approval and allowance of the contract of C. C. Darling, No. 16, the amount to remain in the hands of the Board until the matter is adjusted between the town and C. C. Darling.

## MONTREAL AND ONTONAGON STATE ROAD.

Montreal  
and Onton-  
agon.

The bond of Thomas Hooper, with Charles Fisher and Richard Moile as sureties, was approved and filed.

## MINERAL RANGE STATE ROAD.

Mineral  
Range.

The contract of D. E. O'Sullivan & Neil McEachren, No. 3, was approved from 23d to 27th mile posts.

## WISCONSIN AND LAKE SUPERIOR STATE ROAD.

Wisconsin  
and Lake  
Superior.

The contract of Kirby, Carpenter & Co., No. 1, 8 miles, was approved, \$12,600 00.

## ST. MARY'S RIVER AND MACKINAC STATE ROAD.

St. Mary  
and Mack-  
inac.

The contract of W. H. Hill, No. 4, from 45th to 48th mile post, was approved.

On motion, the Board adjourned.

---

SEVENTEENTH MEETING.

*Lansing, January 5, 1870.*

On this day the Board met at the office of the Secretary of State, when the following business was transacted, viz :

## MANISTEE AND LELAND STATE ROAD.

Manistee  
and Leland.

*Whereas*, The contract of Delbridge & Welch, No. 2, is found to cover 1 mile, 1 chain, and 91 links less than is shown by the survey approved by the Board, and,

*Whereas*, Said excess is now being built at the direction of the Local Commissioner, and,



*Whereas*, Said contractors now ask for the payment of the sum actually due them on account of such excess; now therefore, be it

*Resolved*, That the said contractor be paid the sum of \$819 00 in State swamp land when the same shall be completed.

Newaygo  
and North-  
port.

#### NEWAYGO AND NORTHPORT STATE ROAD.

Contract of J. M. Cook & Co. was approved from the 41st to the 85th mile post, \$459 50.

Cottonwood  
Swamp.

#### COTTONWOOD SWAMP STATE ROAD.

The contract of Henry & G. W. Thayer, No. 6, was approved so as to allow contractors \$680 00.

The contract of Samuel Smith, No. 1, was approved in full, \$250 00.

Cass River  
and Bay City

#### CASS RIVER AND BAY CITY STATE ROAD.

The contract of D. M. Pack, No. 11, approved in full, \$800 00.

The contract of George Carlans, No. 3, new series, approved so as to allow payment of \$52 50, balance due.

The contract of Elias Steele, No. 5, new series, approved so as to allow payment of \$900 00.

Manistee  
and Leland.

#### MANISTEE AND LELAND STATE ROAD.

The contract of Hubard & Thurston, No. 3, approved so as to allow contractors \$1,540 00.

Contract of Delbridge & Welch, No. 2, approved so as to allow payment of \$2,400 00.

Contract of J. B. Delbridge & E. Crouse, No. 1, approved so as to allow payment of \$2,000 00.

East Saginaw  
and Au Sauble.

#### EAST SAGINAW AND AU SAUBLE STATE ROAD.

The contract of J. F. Hotchkiss, from Kaw Kawlin river to Au Sauble river, approved so as to allow payment of \$2,780 00-

## WESTERN DIVISION—ALMA AND CLINTON STATE ROAD.

Western Division—  
Alma and  
Clinton.

Account of W. S. George & Co., for advertising, allowed at  
\$3 50.

## MUSKEGON AND CEDAR SPRINGS STATE ROAD.

Muskegon  
and Cedar  
Springs.

Contract of Wm. Wartrous, from N. E. corner of Sec. 35, T.  
10 N., of R. 12 W., to the quarter post on the south side of  
Sec. 13, approved so as to allow payment of \$1,850 00.

## MONTCALM AND GRATIOT STATE ROAD.

Montcalm  
and Gratiot.

Account of John O. Palmer, surveyor, allowed at \$87 50.

## HASTINGS AND LOWELL STATE ROAD.

Hastings  
and Lowell.

Contract of Stephen Doty approved in full, \$635 00.

## WHITE LAKE AND BIG RAPIDS STATE ROAD.

White Lake  
and Big  
Rapids.

Contract of E. P. Clark approved so as to allow payment of  
\$1,050 00, balance due.

## SANILAC AND HURON STATE ROAD.

Sanilac and  
Huron.

Contract of E. & J. Erskine, No. 2, approved so as to allow  
\$1,520 00.

## PORT AUSTIN AND UNIONVILLE STATE ROAD.

Port Austin  
and Union-  
ville.

Contract of Ayers, Learned & Wiswall, No. 1, approved so  
as to allow payment of \$2,340 00.

## ROGUE RIVER IMPROVEMENT.

Rogue river  
Improve-  
ment.

Contract of French, Knight & Owen, No. 1, approved so as  
to allow \$3,000 00.

**EASTERN DIVISION—MIDLAND, HOUGHTON LAKE, AND TRAVERSE BAY STATE ROAD.**

Contract of Theodore Bathy, No. 4, approved so as to allow payment of \$1,280 00 in general scrip and \$1,123 00 in Gladwin county,—total, \$2,403 00.

**SANILAC AND  
BAY.**

**SANILAC AND BAY STATE ROAD.**

The contract of E. B. Ward, being Secs. 26 to 31, the consent of the sureties having been filed, was extended to November 1st, 1870.

The contract of E. B. Ward, being Secs. 3, and 12 to 20,—the consent of the sureties having been filed, the same was extended to November 1st, 1870.

**SAGINAW AND  
GRATIOT.**

**SAGINAW AND GRATIOT STATE ROAD.**

Contract of Wm. F. Glasby, the consent of the sureties having been filed, was extended to July 1st, 1870.

**WISCONSIN  
AND LAKE  
SUPERIOR.**

**WISCONSIN AND LAKE SUPERIOR STATE ROAD.**

Contract of Kirby, Carpenter, *et. al.*, was extended to December 1st, 1870, if sureties file their consent.

**AU SAUBLE  
RIVER BRIDGE.**

**AU SAUBLE RIVER BRIDGE.**

The account of E. A. Breckenridge, of \$45 00, upon which the Board suspended action, was allowed, making in all the sum of \$141 00, to be paid in State swamp land at \$1 25 per acre.

**St. Mary's  
River and  
Mackinac.**

**ST. MARY'S RIVER AND MACKINAC STATE ROAD.**

The account of Edmond Ashmon, of \$27 00, which was allowed October 7th, 1868, was rescinded, it having been allowed in the accounts of November 19, 1868, at \$30 00.

## CAPAC AND CLYDE STATE ROAD EXTENSION.

Capac and  
Clyde exten-  
sion.

Contract of John Phelps, No. 1, extended to July 1, 1870, consent of sureties having been filed.

Contract of John Phelps, No. 1, approved so as to allow payment of \$3,000 00.

## WISCONSIN AND LAKE SUPERIOR STATE ROAD.

Wisconsin  
and Lake  
Superior.

Survey and field notes this day filed and approved.

## MANISTEE AND LELAND STATE ROAD.

Manistee  
and Leland.

Petition of citizens in Leelanaw county, for and against change of route, received, and the S. L. S. R. Commissioner was authorized to cause a survey to be made, and to change the route, in accordance with the request of petitioners asking the change, provided the contract can be let to responsible parties before April 30, 1870, for building the road, including the bridge over the narrows at Glen Lake, at the rate of \$800 per mile from the point where the new line shall leave to the point where it shall again intersect the present line; payable in State swamp land at minimum price established by law, the measurement to be by the new line. If this cannot be done, then the Commissioner shall authorize the continuance of work on original line.

On motion, the Board adjourned.

---

EIGHTEENTH MEETING.

*Lansing, January 26, 1870.*

On this day the Board met at the office of the Secretary of State, B. D. Pritchard, Chairman *pro tem.*, when the following business was transacted, viz:

Northern  
Division—  
Bay De Noc  
and Green  
Bay.

# NORTHERN DIVISION—BAY DE NOC AND GREEN BAY STATE ROAD.

The contract of Mark English, No. 1, was approved so as to allow payment of \$13,100 00.

Wisconsin  
and Lake  
Superior  
Extension.

## WISCONSIN AND LAKE SUPERIOR STATE ROAD EXTENSION.

Contract of Wm. Ross, No. 2, approved so as to allow the contractor \$6,140 00.

The contract of F. F. Hurley was approved so as to allow the contractor \$5,150 00.

Wisconsin  
and Lake  
Superior.

## WISCONSIN AND LAKE SUPERIOR STATE ROAD.

The contract of Kirby, Carpenter & Co., *et. al.*, No. 1, was approved from mile posts 13 to 15, and from mile posts 18 to 20, \$6,300 00.

The bond of Wm. Holmes, Local Commissioner, with S. M. Stevenson and E. S. Ingalls as sureties, was approved and filed.

Cass River  
and Wild  
Fowl Bay.

## CASS RIVER AND WILD FOWL BAY STATE ROAD.

The bond of T. B. Johnson, Local Commissioner, with W. R. Burt and F. F. Gardner as sureties, was approved and filed.

White Lake  
and Big  
Rapids.

## WHITE LAKE AND BIG RAPIDS STATE ROAD.

The contract of E. P. Clark, No. 1, was extended to July 1, 1870, the consent of the sureties having been filed.

Clio and  
Chesaning.

## CLIO AND CHESANING STATE ROAD.

The contract of John Weir, No. 10, was approved in full.

Third Divi-  
sion—Alle-  
gan, Muske-  
gon and  
Traverse  
Bay.

## THIRD DIVISION—ALLEGAN, MUSKEGON AND TRAVERSE BAY STATE ROAD.

The acceptance on contract of S. G. Rollins, approved one mile west from corner of Secs. 16, 17, 20, and 21, T. 14 N., R. 17 W.

## MANISTEE AND LELAND STATE ROAD.

Manistee  
and Leland.

Contract of Delbridge & Welch, No. 2, approved, \$1,960 00.

## ST. MARY'S RIVER AND MACKINAC STATE ROAD.

St. Mary's  
river and  
Mackinac.

Account of John Cota, Surveyor, W. H. Hill assignee, was allowed at \$49 25.

Account of Wm. Ashmon, Local Commissioner, W. H. Hill assignee, was allowed at \$12 00.

## MIDLAND AND ISABELLA STATE ROAD.

Midland and  
Isabella.

Contract of Nathaniel Wilson, for building bridge over the Chippewa river, approved so as to allow payment of \$875 00.  
On motion, the Board adjourned.

---

NINETEENTH MEETING.

*Lansing, February 23, 1870.*

On this day the S. L. S. R. Board of Control met at the office of the Secretary of State.

Present:

Hon. H. P. Baldwin, Governor,

Hon. O. L. Spaulding, Secretary of State,

Hon. Wm. Humphrey, Auditor General,

Hon. B. D. Pritchard, Com'r State Land Office,

When the following business was transacted, viz:

## BRANCH STATE ROAD (EATON AND BARRY COUNTIES).

Branch State  
Road.

The bond of Henry Elliott, with C. Hewett and H. D. Pugh as sureties, was approved.

## NEWAYGO AND NORTHPORT STATE ROAD.

Newaygo  
and North-  
port.

Contract of Henry Clark, Leach & Bates assignees, allowed at \$640 00.

**MIDLAND, HOUGHTON LAKE, AND TRAVERS BY STATE ROAD.**  
 Midland, Houghton Lake and Travers Bay Contract of Martin Moore, M. W. Moore administrator, allowed at \$3,360 00.

**BRANCH OF MACKINAC AND DELTA STATE ROAD.**  
 Branch of Mackinac and Delta..

The account of W. S. George & Co., for advertising, was allowed at \$3 50.

**EXTENSION OF WISCONSIN AND LAKE SUPERIOR STATE ROAD.**  
 Extension of Wisconsin and Lake Superior.

The account of W. S. George & Co., for advertising, was allowed at \$2 25.

On motion; the Board adjourned.

---

## TWENTIETH MEETING.

*Lansing, April 6, 1870.*

On this day the S. L. S. R. Board of Control met at the office of the Secretary of State.

**Present:**

Hon. H. P. Baldwin, Governor,

Hon. O. L. Spaulding, Secretary of State.

Hon. Wm. Humphrey, Auditor General,

Hon. B. D. Pritchard, Com'r State Land Office,

Hon. E. O. Grosvenor, State Treasurer,

When the following business was transacted, viz:

**CRAWFORD'S QUARRY STATE ROAD.**  
 Crawford's Quarry.

L. B. Curtis, Commissioner, instructed to order a re-survey.

**LAPEER AND TUSCOLA STATE ROAD.**  
 Lapeer and Tuscola.

Contract of Solomon Stone was extended to November 15, 1870, contractor having filed new bond and consent of sureties.

## ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

Allegan,  
Muskegon,  
and Traver-  
se Bay.

Contract of J. A. Anthrop was extended to July 1, 1870, consent having been filed in writing.

## PORT AUSTIN AND UNIONVILLE STATE ROAD.

Port Austin  
and Union-  
ville.

Change of route adopted as shown by map and field notes this day approved and filed in the State Road Office.

On motion, the Board adjourned.

## TWENTY-FIRST MEETING.

*Lansing, April 27, 1870.*

On this day the Board of Control met at the office of the Secretary of State.

## Present:

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,

Hon. B. D. Pritchard, Com'r State Land Office,

Hon. O. L. Spaulding, Secretary of State.

Hon. B. D. Pritchard was chosen Chairman *pro tem.*, when the following business was transacted, viz:

## GENEVA AND SAGINAW BAY STATE ROAD.

Geneva and  
Saginaw Bay

Bond of Horace Parsell, Local Commissioner, with H. C. Marvin and J. A. Cornell as sureties, was approved.

## BAY DE NOC AND GREEN BAY STATE ROAD.

Bay De Noc  
and Green  
Bay.

The claim of E. S. Ingalls, contractor on this road, for payment of 19 chains and two links, claimed by him to have been built in excess of the 41 miles specified in his contract, was presented to the Board, and, on motion, was unanimously rejected.



Manistee  
and Leland.

# MANISTEE AND LELAND STATE ROAD.

On motion, the matter of the change of route at Glen Lake narrows was referred to Commissioner Curtis, with instructions to proceed to that point as early as practicable, and locate said road in accordance with his judgment, and direct the Commissioner of the work accordingly, and report to this Board at the next meeting.

On motion, the Board adjourned.

---

## TWENTY-SECOND MEETING.

*Lansing, May 26, 1870.*

On this day the Board of Control met at the office of the Secretary of State.

Present:

Hon. H. P. Baldwin, Governor,

Hon. O. L. Spaulding, Secretary of State,

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,

Hon. Dwight May, Attorney General,

When the following business was transacted, viz:

Muskegon  
and Cedar  
Springs.

## MUSKEGON AND CEDAR SPRINGS STATE ROAD.

Account of R. W. Jewell, Local Commissioner, allowed at \$62 00.

Cass river  
and Bay  
City.

## CASS RIVER AND BAY CITY STATE ROAD.

Contract of Elias Steele, No. 5, new series, was approved, \$1,500 00.

Allegan,  
Muskegon,  
and Traver-  
se Bay.

## ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

Contract of John T. Bird, contract dated September 22, 1869, for one mile north from Sec. 2, was approved, \$1,600 00.

Contract of John T. Bird, contract dated September 22, 1869, approved from 3d corner of survey to Sec. 11, T. 6 N., R. 16 W., approved, \$1,600 00.

Contract of S. M. Shurtleff, dated May 5, 1866, approved in full, \$19,800 00.

#### WHITE LAKE AND BIG RAPIDS STATE ROAD.

White Lake  
and Big  
Rapids.

Contract of E. P. Clark, No. 1, approved so as to allow payment of \$1,280 00.

#### ROGUE RIVER IMPROVEMENT.

Rogue River  
Improvement.

Contract of Geo. L. Knight & R. E. French, approved in full, \$750 00.

#### WHITE LAKE AND BIG RAPIDS STATE ROAD.

White Lake  
and Big  
Rapids.

Survey and field notes this day filed and approved.

#### BRANCH OF MACKINAC AND DELTA STATE ROAD.

Branch of  
Mackinac  
and Delta.

Bond of Samuel H. Selden, Local Commissioner, with Eli P. Royce and C. C. Royce as sureties, was approved.

#### NEWAYGO AND DAYTON EXTENSION STATE ROAD.

Newaygo  
and Dayton  
extension.

Bond of Israel Smith, Local Commissioner, with Shubael F. White and Luther N. Foster as sureties, was approved.

#### FOURTH DIVISION—ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

Fourth Division—  
Allegan,  
Muskegon,  
and Traverse Bay

Bond of John Bailey, Local Commissioner, with L. W. Case and James B. Walker as sureties, was approved.

#### BAY DE NOC AND GREEN BAY STATE ROAD.

Bay De Noc  
and Green  
Bay.

The action of the Board of Control, dated April 27th, 1870, in the matter of E. S. Ingalls, was reconsidered and referred to Commissioner L. B. Curtis, who had formerly approved the

contract of E. S. Ingalls for the construction of 41 miles of said road, and on his recommendation, Mr. Ingalls was allowed the sum of \$380 00 for 19 chains and two links, being the length of said road in excess of the 41 miles formerly allowed.

Manistee  
and Leland.

#### MANISTEE AND LELAND STATE ROAD.

On recommendation of Commissioner L. B. Curtis, route changed on north side of Glen Lake, and upon the south side to north shore of the lake, in accordance with field notes and diagram this day filed and approved.

On motion, the matter of trespass, said to have been committed by Geo. N. Fletcher, was referred to Commissioner L. B. Curtis to settle in accordance with the rules which have been established by the Board of Control.

On motion, the Board adjourned.

---

#### TWENTY-THIRD MEETING.

*Lansing, July 6, 1870.*

On this day the Board of Control met at the office of the Secretary of State.

Present:

Hon. H. P. Baldwin, Governor,

Hon. O. L. Spaulding, Secretary of State.

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,

When the following business was transacted, viz:

Allegan,  
Muskegon  
and Traverse  
Bay.

#### ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

Account of Thomas Padgett allowed at \$75 00.

Contract of John T. Bird, dated September 22, 1869, from Sec. 2, north of south line of town of Olivet, to Sec. 8, was approved in full, \$400 00.

Contract of John T. Bird, dated September 22, 1869, for one mile, in T. 6 N., R. 16 W., was approved in full, \$400 00.

FOURTH DIVISION—ALLEGAN, MUSKEGON, AND TRAVERSE BAY

STATE ROAD.

Fourth  
Division—  
Allegan,  
Muskegon  
and Traverse  
Bay.

Contract of Aphort & Keith, approved so as to allow \$1,100 00.

DUNCAN, ALPENA, AND AU SAUBLE STATE ROAD.

Duncan Al-  
pena, and  
Au Sauble.

Account of E. B. Chamberlain, Local Commissioner, was allowed at \$114 00.

Contract of Obed Smith, No. 3, new series, approved so as to allow \$400 00.

Contract of Paulet Cicero, No. 2, new series, approved so as to allow \$1,600 00.

Contract of George N. Fletcher, No. 18, for building bridge over Thunder Bay river, was approved in full, \$1,485 00.

DUNCAN, ALPENA, AND AU SAUBLE EXTENSION STATE ROAD.

Duncan,  
Alpena and  
Au Sauble,  
extension.

Bond of David Smith, Local Commissioner, with Edgar Conklin and Charles Brannock as sureties, filed and approved.

SANILAC AND BAY STATE ROAD.

Sanilac and  
Bay.

Contract of E. B. Ward, No. 7, approved so as to allow \$169 65, balance due.

EASTERN DIVISION—SANILAC AND BAY STATE ROAD.

Eastern  
Division—  
Sanilac and  
Bay.

Contract of E. B. Ward, No. 7, approved in full, \$1,501 30.

NEWAYGO AND NORTHPORT STATE ROAD.

Newaygo  
and North-  
port.

Contract of Leach & Bates, assignees of Henry Clark, approved so as to pay \$1,280 00.

Account of Wm. Holdsworth, Local Commissioner, was allowed at \$36 00.

Akron Ditch

## AKRON DITCH.

Contract of Charles G. Learned, assignee of John S. Coy, approved in full, \$400 00.

Port Austin  
and Union-  
ville.

## PORT AUSTIN AND UNIONVILLE STATE ROAD.

Contract of Ayers, Learned & Wiswell, No. 1, approved in full, \$785 '00.

St. Louis  
and Pine  
river.

## ST. LOUIS AND PINE RIVER STATE ROAD.

Contract of George Spayed, No. 7, was approved in full, \$878 32.

Saginaw,  
Gratiot and  
Newaygo.

## SAGINAW, GRATIOT, AND NEWAYGO STATE ROAD.

Contract of H. C. Ripley, assignee of F. Lathrop, approved, \$1,200 00.

Midland,  
Houghton  
Lake and  
Traverse  
Bay.

## MIDLAND, HOUGHTON LAKE, AND TRAVERSE BAY STATE ROAD.

Contract of Martin W. Moore, administrator of Martin Moore, approved in full, \$840 00.

Lexington  
and Flint  
river.

## LEXINGTON AND FLINT RIVER STATE ROAD.

Contract of J. L. Woods, approved so as to allow payment of \$517 50.

Port Huron,  
Bay City,  
and Lansing

## PORT HURON, BAY CITY, AND LANSING STATE ROAD.

The contract of J. L. Woods was approved in full, \$750 00

Alma and  
Clinton.

## ALMA AND CLINTON STATE ROAD.

Contract of H. M. Johnson, approved so as to allow \$1,600 00.

Capac and  
Clyde exten-  
sion.

## CAPAC AND CLYDE EXTENSION STATE ROAD.

Contract of John Phelps, No. 1, approved so as to allow payment of \$800 00.

Account of A. B. Rawles, Local Commissioner, allowed at \$225 15.

White Lake  
and Big  
Rapids.

## WHITE LAKE AND BIG RAPIDS STATE ROAD.

Contract of E. P. Clark, No. 2, approved so as to allow \$3,840 00.

## MONTCALM AND GRATIOT STATE ROAD.

Montcalm  
and Gratiot.

Contract of Charles Merrill, assignee of Jabez Hawkins, approved, \$1,500 00.

## BERLIN AND GEORGETOWN STATE ROAD.

Berlin and  
Georgetown.

*Whereas*, By resolution of this Board, adopted January 22, 1869, the Commissioner of the Land Office was instructed to suspend the issuing to Ira Y. Burnham, contractor, the certificates for land reserved on his contract until an investigation of the matter should be made, and the S. L. S. R. Commissioner was directed to personally inspect the road and report all the facts connected with the matter to this Board, and,

*Whereas*, the said Commissioner has reported to this Board that said I. Y. Burnham has now performed his contract to the satisfaction of said Commissioner (as per his report this day), therefore,

*Resolved*, That said contract be approved by this Board, and ordered paid, the amount due thereon being \$3,540 60.

## CASS RIVER AND BAY CITY STATE ROAD.

Cass river  
and Bay City

Contract of Elias Steele, approved so as to allow \$900 00.

## PORT HURON, BAY CITY, AND LANSING STATE ROAD.

Port Huron,  
Bay City,  
and Lansing.

Contract of S. H. Avery and John Hickey, for building bridge over Black river, was canceled on recommendation of Commissioner Curtis.

## TUSCOLA AND SAGINAW BAY STATE ROAD.

Tuscola and  
Saginaw Bay

Contract of Edmund McCready & Geo. Huckle was canceled on the recommendation of Commissioner Curtis.

## IONIA AND HOUGHTON LAKE STATE ROAD.

Ionia and  
Houghton  
Lake.

Change of route adopted, as per diagram this day filed and approved.

## SAGINAW AND GRATIOT STATE ROAD.

Saginaw and  
Gratiot.

Contract of Wm. F. Glasby extended to September 1, 1870.

St. Louis  
and Pine  
River.

ST. LOUIS AND PINE RIVER STATE ROAD.

Bond of Frederick D. Weller, as Local Commissioner, with Luther Smith and John L. Sinclair as sureties, was approved.

Ionia,  
Houghton  
Lake and  
Mackinac.

IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD.

Change of route adopted, as per map and field notes this day approved and filed in State Road Office.

Saugatuck  
and Over-  
sel.

SAUGATUCK AND OVEREISEL STATE ROAD.

Bond of F. B. Wallin, as Local Commissioner, with M. B. Spencer and S. A. Morrison as sureties, was approved.  
Map and field notes this day filed and approved.

Allegan,  
Muskegon,  
and Traver-  
se Bay.

ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

Change of route adopted, as per map and field notes this day approved and filed in State Road Office.

Saginaw,  
Gratiot, and  
Newaygo.

SAGINAW, GRATIOT, AND NEWAYGO STATE ROAD.

Map and field notes this day filed and approved.

Port Hope  
and Wild  
Fowl Bay.

PORT HOPE AND WILD FOWL BAY STATE ROAD.

Map and field notes of this road, commencing in the village of Port Hope and terminating on the west line of T. 17 N., R. 11 E., was approved.

On motion, the Board adjourned.

---

TWENTY-FOURTH MEETING.

*Lansing, July 27, 1870.*

On this day the Board met at the office of the Secretary of State.

Present:

Hon. H. P. Baldwin, Governor,

Hon. O. L. Spaulding, Secretary of State,

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,

When the following business was transacted, to-wit:

PORT HOPE AND WILD FOWL BAY STATE ROAD.

Port Hope  
and Wild  
Fowl Bay.

Map and field notes this day filed and approved.

CASS RIVER AND WILD FOWL BAY STATE ROAD.

Cass River  
and Wild  
Fowl Bay.

Change of route adopted, as shown by map and field notes  
this day approved and filed in State Road Office.

DUNCAN, ALPENA, AND AU SAUBLE STATE ROAD.

Duncan, Al-  
pena and Au  
Sauble.

Contract of Obed Smith, No. 3, new series, was approved in  
full, \$110 00.

Contract of Paulet Cicero, No. 2, approved in full, \$400 00.

Contract of Smith & Cicero, No. 1, was approved so as to  
allow payment of \$2,250 00.

Map and field notes this day filed and approved.

GREENVILLE AND BIG RAPIDS STATE ROAD.

Greenville  
and Big  
Rapids.

Contract of J. B. Barr approved in full, \$708 75.

LAPEER AND TUSCOLA STATE ROAD.

Lapeer and  
Tuscola.

Contract of Solomon Stone, No. 3, approved so as to allow  
\$1,840 00.

SAUGATUCK AND OVEREISEL STATE ROAD.

Saugatuck  
and Overei-  
sel.

Account of W. S. George & Co., for printing, allowed at  
\$6 30.

On motion, the Board adjourned.



## TWENTY-FIFTH MEETING.

*Lansing, August 5, 1870.*

On this day the Board met at the office of the Secretary of State.

Present:

Hon. H. P. Baldwin, Governor,

Hon. E. O. Grosvenor, State Treasurer,

Hon. O. L. Spaulding, Secretary of State,

Hon. Wm. Humphrey, Auditor General,

When the following business was transacted, viz:

Ontonagon  
and Montre-  
al River.

## ONTONAGON AND MONTREAL RIVER STATE ROAD.

Contract of J. A. Crozier & Co., No. 1, canceled on condition that the contractors, their assignees, and sureties, release to the State all claim for further pay from the State for work done or for materials furnished, or on hand, and that they shall turn over to the Upper Peninsula S. L. S. R. Commissioner all materials they may have on hand intended for the building of the bridges under said contract.

On motion, the Board adjourned.

## TWENTY-SIXTH MEETING.

*Lansing, September 7, 1870.*

On this day the Board of Control met at the office of the Secretary of State, when the following business was transacted, to-wit:

Saginaw,  
Gratiot and  
Newaygo.

## SAGINAW, GRATIOT, AND NEWAYGO STATE ROAD.

Contract of J. F. Lathrop, assigned to H. C. Ripley, approved so as to allow \$2,400 00.

STATE SWAMP LAND BOARD.

153

SAGINAW AND GRATIOT STATE ROAD.

Saginaw and  
Gratiot.

Contract of Wm. F. Glasby, No. 1, approved in full,  
\$5,125 00.

EASTERN DIVISION—SANILAC AND BAY STATE ROAD.

Eastern  
Division—  
Sanilac and  
Bay.

Contract of E. B. Ward, No. 7, approved so as to allow  
\$1,240 00.

PORT HOPE AND WILD FOWL BAY STATE ROAD.

Port Hope  
and Wild  
Fowl Bay.

Account of W. S. George & Co., for printing, allowed at  
\$7 00.

WEST DIVISION—ALMA AND CLINTON STATE ROAD.

West Divi-  
sion—  
Alma and  
Clinton.

Contract of H. M. Johnson, from west line of Mecosta county,  
to Greenville and Big Rapids State road, approved so as to  
allow \$4,164 00.

IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD.

Ionia,  
Houghton  
Lake and  
Mackinac.

Contract of E. Hall, No. 25, approved in full, \$1,600 00.

WHITE LAKE AND BIG RAPIDS STATE ROAD.

White Lake  
and Big  
Rapids.

Contract of E. P. Clark, No. 2, approved so as to allow  
\$6,400 00.

DUNCAN, ALPENA, AND AU SAUBLE STATE ROAD.

Duncan,  
Alpena and  
Au Sauble.

Contract of Obed Smith, No. 5, approved so as to allow  
\$2,000 00.

Contract of Smith & Cicero, No. 1, approved so as to allow  
\$1,500 00.

Account of E. B. Chamberlain, as Local Commissioner,  
allowed at \$63 00.

Montcalm  
and Gratiot.

MONTCALM AND GRATIOT STATE ROAD.

Contract of Jabez Hawkins, from stake No. 10 to stake No. 15, approved in full, \$1,875 00.

Contract of Robert Wood, No. 5, approved in full, \$550 00.

Duncan, Al-  
pena, and  
Au Sauble.

DUNCAN, ALPENA, AND AU SAUBLE STATE ROAD.

Contract of Henry Moore, No. 6, approved so as to allow \$2,560 00.

Manistee  
and Leland.

MANISTEE AND LELAND STATE ROAD.

Contract of Hulburt & Thurston, No. 3, approved so as to allow \$3,800 00.

Contract of J. B. Delbridge, No. 5, approved so as to allow \$5,280 00.

Contract of Hulburt & Thurston, No. 3, was approved in full, \$385 92.

Contract of Delbridge & Crouse, No. 1, approved in full, \$500 00.

Account of B. F. Thurston, as Local Commissioner, was allowed at \$257 00.

Cass River  
and Bay City

CASS RIVER AND BAY CITY STATE ROAD.

Contract of Russell M. Lapree, No. 7, approved in full, \$1,600 00.

Balance of an acceptance on contract of Elias Steele, No. 5, new series, was approved in full, \$187 50.

Balance of an acceptance on contract of Elias Steele, under act 86, of 1869, approved in full, \$87 50

Balance of an acceptance on contract of Elias Steele, No. 5, new series, approved in full, \$475 00.

Balance of an acceptance on contract of Elias Steele, from the northwest corner of Sec. 8, T. 14 N., R. 10 E., to the fork of Cass river, was approved in full, \$87 50.

Contract of Elias Steele, from the fork of Cass river to Bay City, an estimate, approved at \$1,850 00.

## EAST SAGINAW AND SAUBLE RIVER STATE ROAD.

East Saginaw and Sauble River.

Contract of W. S. Patrick, for the 50th mile, assigned to Moore, Foote & Co., was approved so as to allow payment of \$467 00, if the assignee accept it as full payment.

## NORTHERN DIVISION—SANILAC AND HURON STATE ROAD.

Northern Division—Sanilac and Huron.

Contract of E. & J. Erskine, No. 2, on the recommendation of Commissioner Curtis, and by consent of sureties, was extended to November 15, 1870.

## MANISTEE AND LELAND STATE ROAD.

Manistee and Leland.

Contract of Hulburt & Thurston, route having been changed, and north one-half of mile 5, and all of miles 6, 7, 8, 9, 10, 11, 12, 13, and south one-half of mile 14, included in said contract, having been abandoned,

*Ordered*, That said portion of said contract be and the same is hereby canceled.

## WESTERN DIVISION—ALMA AND CLINTON STATE ROAD.

Western Division—Alma and Clinton.

Bond of J. M. Cook, as Local Commissioner, with C. Hewitt and H. M. Johnson as sureties, filed and approved.

## MUSKEGON AND CEDAR SPRINGS STATE ROAD.

Muskegon and Cedar Springs.

Bond of J. H. Hanchet, as Local Commissioner, with G. B. Slocum and E. T. Slocum as sureties, filed and approved.

## NORTHERN DIVISION—SANILAC AND HURON STATE ROAD.

Northern Division—Sanilac and Huron.

Bond of Geo. S. Kene, as Local Commissioner, with Geo. H. Van Hort and Geo. H. Gregory as sureties, filed and approved.

## L'ANSE AND STATE LINE STATE ROAD.

L'Anse and State Line.

Bond of Thomas W. Edwards, Local Commissioner, with John Q. McKernon and J. A. Hubbell as sureties, filed and approved.

Ontonagon  
and Montre-  
al river.

#### ONTONAGON AND MONTREAL RIVER STATE ROAD.

J. A. Crozier & Co., contractors, and W. D. Williams, Henry Allen, and Samuel Bassett as sureties, parties in interest adversely to the State in contract No. 1, having filed the release required by the Board at their meeting of August 5, 1870, are hereby released from further liability to the State under said contract, which (said release being attached to said contract) is hereby made void.

Mineral  
Range.

#### MINERAL RANGE STATE ROAD.

Contract of Richards & Perry, No. 4, from the 27th to the 28th mile post, approved, \$1,550 00.

Contract of Richards & Perry, No. 4, from the 28th to 29th mile post, approved, \$1,550 00.

On motion, the Board adjourned.

---

### TWENTY-SEVENTH MEETING.

*Lansing, October 5, 1870.*

On this day the Board of Control met at the office of the Secretary of State.

#### Present:

Hon. H. P. Baldwin, Governor,

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,

Hon. B. D. Pritchard, Com'r State Land Office,

When the following business was transacted, viz:

Manistee,  
Houghton  
Lake and  
Traverse Bay

#### MANISTEE, HOUGHTON LAKE, AND TRAVERSE BAY STATE ROAD.

Contract of J. G. Owen extended to September 1, 1871, on condition that he file the consent of sureties, and that by the first day of June, 1871, he shall put on a force which shall be

approved by the S. L. S. R. Commissioner, and complete the same by September 1st.

## OVID AND ST. CHARLES STATE ROAD.

Ovid and St. Charles.

Contract of N. Peacock extended to December 1, 1870, on the usual conditions.

## SANILAC AND HURON STATE ROAD.

Sanilac and Huron.

Contract of Green Pack, extended to December 1, 1870.

## HURON CITY AND BAD AX STATE ROAD.

Huron City and Bad Ax.

Contract of R. B. Hulburd & Co. extended to December 1, 1870.

## WESTERN DIVISION—ALMA AND CLINTON STATE ROAD.

Western Division—  
Alma and Clinton.

Route changed, as per map and field notes this day filed and approved.

## EAST SAGINAW AND SAUBLE RIVER STATE ROAD.

East Saginaw and Sauble River.

Bond of B. F. Smith, as Local Commissioner, with Geo. D. Smith and C. W. Nichols as sureties, filed and approved.

## MIDLAND, HOUGHTON LAKE, AND TRAVERSE BAY STATE ROAD.

Midland, Houghton Lake and Traverse Bay.

Bond of Wm. Noble, as Local Commissioner, with John Larkin and E. P. Jennings as sureties, filed and approved.

## PORT HURON, BAY CITY, AND LANSING STATE ROAD.

Port Huron, Bay City and Lansing

Contract of Darling & Murphy, No. 16, contractors having fully complied with the conditions made by the Board at their meeting held Nov. 24, 1869, the same is hereby approved in full, \$560 00.

## HOUGHTON AND L'ANSE BAY STATE ROAD.

Houghton and L'Anse Bay.

Map and field notes this day filed and approved.

White Rock  
and Bingham.

# WHITE ROCK AND BINGHAM STATE ROAD.

Bond of Robert Campbell, as Local Commissioner, with R. Munford and Thomas Thompson as sureties, filed and approved.

Midland,  
Houghton  
Lake, and  
Traverse  
Bay.

# MIDLAND, HOUGHTON LAKE, AND TRAVERSE BAY STATE ROAD.

Contract of Theodore Bathy, approved so as to allow \$1,920 00 in general scrip, and \$1,685 35 in Midland county scrip.

Big Rapids  
and Grand  
Rapids.

# BIG RAPIDS AND GRAND RAPIDS STATE ROAD.

Contract of Geo. French, approved in full, balance of \$2,000 00.

On motion, the Board adjourned.

## TWENTY-EIGHTH MEETING.

*Lansing, October 25, 1870.*

On this day the Board met at the office of the Secretary of State.

On motion,

Hon. B. D. Pritchard was chosen Chairman *pro tem.*, when the following business was transacted, viz:

Duncan,  
Alpena and  
Au Sauble.

# DUNCAN, ALPENA, AND AU SAUBLE STATE ROAD.

Contract of Obed Smith, No. 5, acceptance from mile post 131, to mile post 133, was approved.

Contract of Obed Smith, No. 4, acceptance approved so as to allow payment at \$2,560 00.

Contract of Henry R. Morse, No. 6, acceptance approved so as to allow payment at \$2,560 00.

Account of E. B. Chamberlain, Local Commissioner, was allowed at \$51 00.

## EXTENSION OF THE ABOVE ROAD.

Extension  
of the above

Contract of A. R. Littlefield, No. 6, from the 8th to the 9th mile station, approved.

Contract of A. R. Littlefield, No. 4, acceptance approved so as to allow payment at 1,111 00.

Contract of John McDonald, No. 7, approved so as to allow payment of \$487 00.

Contract of F. S. Abbot, No. 10, approved so as to allow payment of \$1,200 00.

Contract of Robert Robinson, No. 5, approved so as to allow payment of \$1,042 00.

## MANISTEE AND LELAND STATE ROAD.

Manistee  
and Leland.

Contract of M. D. Todd, No. 5, acceptance approved so as to allow payment at \$3,600 00.

Contract of M. E. Thurston, assigned to Leach & Bates, No. 6, acceptance approved so as to allow payment at \$2,400 00.

Contract of J. B. Delbridge, No. 5, acceptance approved so as to allow payment at \$2,400 00.

## WHITE LAKE AND BIG RAPIDS STATE ROAD.

White Lake  
and Big  
Rapids.

J. M. Cook, Local Commissioner, account allowed at \$156 00.

Contract of E. P. Clark, No. 2, acceptance approved so as to allow payment at \$3,840 00.

## OVID AND ST. CHARLES STATE ROAD.

Ovid and St.  
Charles.

Contract of N. Peacock, No. 1, two miles, from quarter stake on west side of section 31, T. 9 N., R. 1 W., acceptance approved so as to allow payment at \$500 00.

Contract of N. Peacock, No. 1, in T. 10 N., of R. 1 W., acceptance approved so as to allow payment at \$500 00.



Ionla,  
Houghton  
Lake and  
Mackinac.

IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD.

Contract of E. Hall & E. L. Gray. No. 22, acceptance approved in full.

Contract of E. Hall, No. 23, acceptance approved in full.

Western  
Division—  
Alma and  
Clinton.

WESTERN DIVISION—ALMA AND CLINTON STATE ROAD.

Contract of H. M. Johnson, No. 3, acceptance approved in full.

Contract of E. Hall, No. 2, acceptance approved so as to allow \$3,510 93.

Cass river  
and Bay  
City.

CASS RIVER AND BAY CITY STATE ROAD.

Contract of C. G. Learned, No. 6, assignee of Archibald Black, approved in full.

Contract of Elias Steele approved so as to allow payment of balance due on previous acceptance, \$125 00.

Contract of Elias Steele, from the N. W. corner of Sec. 8. T. 14 N., of R. 10 E., to the forks of Cass River, acceptance approved so as to allow \$987 50.

Ontonagon  
and Mont-  
real River.

ONTONAGON AND MONTREAL RIVER STATE ROAD.

Account of Thos. J. Lasier, for printing, allowed at \$32 40.

Cottonwood  
Swamp.

COTTONWOOD SWAMP STATE ROAD.

Contract of H. & G. W. Thayer, No. 7, acceptance approved so as to allow payment at \$640 00.

Newaygo  
and North-  
port.

NEWAYGO AND NORTHPORT STATE ROAD.

Contract of Leach & Bates, assignees of Henry Clark, dated September 3, 1869, acceptance approved so as to allow payment in full, \$320 00.

Contract of Leach & Bates, assignees of Henry Clark, dated September 30, 1869, acceptance approved so as to allow payment in full, \$160 00.

## SAGINAW, GRATIOT, AND NEWAYGO STATE ROAD.

Saginaw,  
Gratiot and  
Newaygo.

Contract of H. C. Ripley, No. 11, assignee of J. F. Lathrop, acceptance approved so as to allow payment of balance, \$600 00.

Contract of H. C. Ripley, assignee of J. F. Lathrop, Sec. No. 14, acceptance approved so as to allow payment of balance, \$300 00.

## MUSKEGON AND CEDAR SPRINGS STATE ROAD.

Muskegon  
and Cedar  
Springs.

Contract of S. C. Hall, No. 3, extended to Nov. 1, 1871.

## WESTERN DIVISION—ALMA AND CLINTON STATE ROAD.

Western  
Division—  
Alma and  
Clinton.

Contract of John W. Van Riper & George L. Hitchcock, No. 1, extended to December 1, 1870.

Contract of E. Hall, No. 2, extended to December 1, 1870.

## GREENVILLE AND BLOOMER STATE ROAD.

Greenville  
and Bloomer

Contract of Benjamin Hall, No. 1, extended to December 1, 1870.

## CASS RIVER AND BAY CITY STATE ROAD.

Cass River  
and Bay  
City.

Contract of Elias Steele, No. 5, new series, extended to December 1, 1870.

## IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD.

Ionia,  
Houghton  
Lake and  
Mackinac.

Contract of E. Hall, No. 23, extended to December 1, 1870.

## EAST SAGINAW AND SAUBLE RIVER STATE ROAD.

East Sagi  
naw and  
Sauble River

Change of route in the village of Wenona, as shown by map this day filed in the S. L. S. R. Office, approved.

## MIDLAND, HOUGHTON LAKE, AND TRAVERSE BAY STATE ROAD.

Midland,  
Houghton  
Lake and  
Traverse  
Bay.

Contract of Theodore Bathy, No. 4, extended to Nov. 1, 1871, his sureties having assented in writing thereto, upon the

condition that the contractor keep such reasonable force employed upon the work at all proper times as the S. L. S. R. Commissioner shall require, or the Board of Control shall direct.

Muskegon  
and Cedar  
Springs.

#### MUSKEGON AND CEDAR SPRINGS STATE ROAD.

Contract of Wm. & H. S. Wartrous, No. 2, balance of work all approved at \$928 99.

Greenville  
and Big  
Rapids.

#### GREENVILLE AND BIG RAPIDS STATE ROAD.

Contract No. 14, of J. B. Barr, contractor, balance of work all approved at \$3,119 36.

On motion, the Board adjourned.

---

### TWENTY-NINTH MEETING.

*Lansing, November 30, 1870.*

The Board of Control met at the office of the Secretary of State.

Present:

Hon. H. P. Baldwin, Governor,

Hon. O. L. Spaulding, Secretary of State.

Hon. E. O. Grosvenor, State Treasurer,

Hon. Wm. Humphrey, Auditor General,

Hon. B. D. Pritchard, Com'r State Land Office,

Hon. Dwight May, Attorney General,

The following business was transacted, viz:

Ontonagon  
and Montre-  
al River

#### ONTONAGON AND MONTREAL RIVER STATE ROAD.

The further sum of one hundred dollars in swamp land in the Upper Peninsula, was allowed to Albert Randolph for making map of road, it appearing from additional facts pre-

mented to the Board, that he is justly entitled to the additional compensation.

**WESTERN DIVISION—MIDLAND, HOUGHTON LAKE, AND TRAVERSE BAY STATE ROAD.**

Western  
Division—  
Midland,  
Houghton  
Lake and  
Traverse  
Bay.

On the recommendation of Commissioner Curtis, the route was changed so as to correspond with the blue line as indicated on the map of the road on file in the Commissioner's office.

**L'ANSE BAY AND STATE LINE STATE ROAD.**

L'Anse Bay  
and State  
line.

The acceptance of the contract of John Hoar & Richard M. Hoar, from the village of Houghton to the four mile stake, being four miles, was approved.

**EXTENSION OF WISCONSIN AND LAKE SUPERIOR STATE ROAD.**

Extension of  
Wisconsin  
and Lake  
Superior.

The acceptance of the contract of T. T. Horley, No. 1, was approved.

**WISCONSIN AND LAKE SUPERIOR STATE ROAD.**

Wisconsin  
and Lake  
Superior.

The acceptance of the contract of Ludington, Wells & Co., Spaulding & Porter, and Kirby, Carpenter & Co., No. 1, from the twentieth mile post to the thirtieth mile post, being ten miles, was approved.

**AUTHORITY OF U. P. S. L. S. R. COMMISSIONER TO EMPLOY CLERK REVOKED.**

Clerk U. P.  
S. L. S. R.  
Commissioner.

On motion,

*Resolved*, That the authority of the S. L. S. R. Commissioner for the Upper Peninsula, to employ a clerk, is hereby revoked, the revocation to take effect on the first day of January, 1871.

**SANILAC AND BAY STATE ROAD.**

Sanilac and  
Bay.

The contract of E. B. Ward, No. 7, was approved so as to allow payment of balance due, \$25 00 ;

Also,

The contract of E. B. Ward, No. 8, was approved so as to allow payment of balance due, \$448 00.

The contract of E. B. Ward, No. 7, for Sec. 16, was approved so as to allow payment of balance due, \$194 65;

Also,

The contract of E. B. Ward, No. 7, from post No. 4, Sec. 17, to post No. 4, Sec. 18, one mile, approved so as to allow payment of balance due, \$155 65.

Eastern  
Division—  
Sanilac and  
Bay.

EASTERN DIVISION—SANILAC AND BAY STATE ROAD.

The contract of E. B. Ward, No. 7, from section 12 to 13, being two miles, was approved so as to allow payment of balance due, \$50 00;

Also,

The contract of E. B. Ward, No. 7, for sections 14 and 15, approved so as to allow payment of balance due, \$311 30;

Also,

The contract of E. B. Ward, No. 7, from post No. 4, Sec. 16, to post No. 4, Sec. 17, one mile, approved so as to allow payment of balance due, \$155 65.

Montcalm  
and Gratiot.

MONTCALM AND GRATIOT STATE ROAD.

The contract of Micajah Douglas, from Sec. stake No. 10 to Sec. stake No. 11, one mile, approved so as to allow payment of balance due, \$350 00;

Also,

The contract of Jabez Hawkins, No. 1, from stake No. 10 to stake No. 15, five miles, approved so as to allow payment of balance due, \$700 00;

Also,

The contract of Charles Merril, assignee of Jabez Hawkins, for one mile next north of the one built by M. Douglas, approved so as to allow payment of balance due, \$375 00.

## ANTRIM DITCH.

Antrim  
Ditch.

The contract of James Spriggs, No. 1, for 100 rods westerly from the east line of Sec. 2, T. 5 N., of R. 3 E., approved so as to allow payment of \$100 00;

Also,

The contract of H. B. Young, No. 2, for one mile and 255 rods southerly from the west end of the contract of James Spriggs, approved in full, \$1,389 44;

Also,

The contract of H. B. Young, No. 3, approved in full, \$430 56.

## EAST SAGINAW AND SAUBLE STATE ROAD.

East Sag-  
naw and  
Sauble.

The contract of James F. Hotchkiss, No. 2, Sec. 4, approved so as to allow payment of \$695 00;

Also,

The contract of James F. Hotchkiss, No. 2, Sec. 3, approved so as to allow payment of balance due, \$625 00;

Also,

The contract of James F. Hotchkiss, No. 2, Sec. 1, approved so as to allow payment of balance due, \$750 00;

Also,

The contract of James F. Hotchkiss, No. 2, Sec. 2, approved so as to allow payment of balance due, \$750 00;

## ALLEGAN, MUSKEGON, AND TRAVERSE BAY STATE ROAD.

Allegan,  
Muskegon,  
and Trav-  
erse Bay.

The contract of Delbridge & Welch, No. 4, from Sec. 13 to Sec. 23, ten miles, approved so as to allow payment of \$576 00;

Also,

The contract of Delbridge & Welch, No. 4, Secs. 25, 26, 27, 28, 30 and 2-5, being 5 and 2-5 miles, approved so as to allow payment of \$3,888 00;

Also,

The contract of Delbridge & Welch, No. 5, approved so as to allow payment of \$720 00.

Manistee  
and Leland.

# MANISTEE AND LELAND STATE ROAD.

The contract of Delbridge & Welch, No. 2, approved so as to allow payment of balance due, \$840 00;

Also,

The contract of B. Delbridge, No. 4, from mile stake No. 28 to center of mile 31; also, from center of mile 37, to center of mile 40, approved so as to allow payment of balance due, \$840 00.

South  
Division—  
Same road.

# SOUTH DIVISION SAME ROAD.

The contract of J. B. Delbridge, No. 4, south  $\frac{1}{2}$  of mile 31, and miles 32 and 33, approved so as to allow payment of balance due, \$600 00.

Port Huron,  
Bay City,  
and Lansing.

# PORT HURON, BAY CITY, AND LANSING STATE ROAD.

The account of J. C. Waterbury, Local Commissioner, was allowed at \$81 00.

West Division—  
Alma and  
Clinton.

# WESTERN DIVISION—ALMA AND CLINTON STATE ROAD.

The contract of M. Johnson, No. 3, from the 30th to the 32d mile post, approved so as to allow payment of balance due, \$482 10;

Also,

The contract of H. M. Johnson, No. 3, the  $25\frac{1}{2}$ ,  $26\frac{1}{2}$ ,  $27\frac{1}{2}$ ,  $28\frac{1}{2}$ , and  $29\frac{1}{2}$  miles, approved so as to allow payment of balance due, \$1,041 25;

Also,

The contract of H. M. Johnson, from the 19th mile post to the  $21\frac{1}{2}$  mile post, and from the  $34\frac{1}{2}$  mile post to the 35th mile post, approved so as to allow payment in full, \$3,123 15.

Southern  
Division—  
Ionia,  
Houghton  
Lake and  
Mackinac.

# SOUTHERN DIVISION—IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD.

The contract of H. M. Johnson, No. 1, from the 8th to the 11th mile post, from the 14th to the 16th mile post, and from

the 18th to the 19th mile post, approved so as to allow payment of balance due, \$750 00;

Also,

The contract of H. M. Johnson, No. 1, from the 6th to the 8th mile post, from the 11th to the 14th, from the 15th to the 17th, and from the 19th to the 21st mile post, approved so as to allow payment of balance due, \$50 00.

#### WISCONSIN AND LAKE SUPERIOR STATE ROAD.

Wisconsin  
and Lake  
Superior.

The contract of Kirby, Carpenter & Co., and others, approved August 26, 1868, on the recommendation of the S. L. S. R. Commissioner for the Upper Peninsula, extended to December 1, 1871, on condition that the sureties file written assent thereto.

#### ALMA AND CLINTON STATE ROAD.

Alma and  
Clinton.

The bond of Albert Fox, as Local Commissioner of the western division, with Wm. N. Harris and Seth F. Worden as sureties, was approved.

#### EAST SAGINAW AND SAUBLE STATE ROAD.

East Saginaw  
and Sauble  
River.

The contract of H. W. Sage, assignee of Charles F. Day, approved so as to allow payment of \$20,000 00.

#### CASS RIVER AND BAY CITY STATE ROAD.

Cass river  
and Bay  
City.

The contract of R. M. Lapree, No. 7, approved in full.

#### CASS RIVER AND WILD FOWL BAY STATE ROAD.

Cass River  
and Wild  
Fowl Bay.

The contract of A. C. Maxwell, No. 1, approved so as to allow \$1,870 00.

#### IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD.

Ionia,  
Houghton  
Lake and  
Mackinac.

The contract of Edmund Hall, No. 23, from stakes 36 and 37, to stakes 40 and 41, four miles, approved so as to allow payment of balance due, \$38 49;



Also,

The contract of Edmund Hall, No. 23, from stakes 28 and 29, to 31 and 32, approved in full, \$4,153 83.

Cotton-  
wood  
Swamp.

#### COTTONWOOD SWAMP STATE ROAD.

The contract of Henry and George W. Thayer, No. 8, approved so as to allow payment of \$680 00.

Tuscola and  
Saginaw Bay

#### TUSCOLA AND SAGINAW BAY STATE ROAD.

The contract of Charles G. Learned, assignee of Archibald Black, from mile stake No. 22½ to 23½, one mile, approved so as to allow payment of \$1,280 00.

Ionia,  
Houghton  
Lake and  
Mackinac.]

#### IONIA, HOUGHTON LAKE, AND MACKINAC STATE ROAD.

The account of Wm. Broomfield, Local Commissioner, was allowed at \$159 00.

Manistee  
and Leland.

#### MANISTEE AND LELAND STATE ROAD.

The contract of D. C. Leach, assignee of Myron E. Thurston, No. 6, approved so as to allow \$4,000 00.

Cass river  
and Bay City

#### CASS RIVER AND BAY CITY STATE ROAD.

The contract of Elias Steele, from the N. W. corner of Sec. 9, T. 14 N., R. 11 E., east and south 2½ miles, approved so as to allow \$1,231 87.

Extension of  
Duncan Al-  
pena, and  
Sauble river.

#### EXTENSION OF DUNCAN, ALPENA, AND SAUBLE RIVER STATE ROAD.

The contract of Wm. McPhee & Thomas Sherritt, No. 11, one mile, approved in full, \$680 00.

Bridgeton,  
and Osceola.

#### BRIDGETON AND OSCEOLA STATE ROAD.

The contract of E. L. Gray, approved in full, \$6,750 00.

## DUNCAN, ALPENA. AND SAUBLE RIVER STATE ROAD.

Duncan, Al-  
pena, and  
Sauble river.

The contract of Smith & Cicero, No. 1, from mile post 107 to mile post 109, approved so as to allow payment of balance due, \$375 00;

Also,

The contract of Smith & Cicero, No. 1, from mile posts 113 to 114, approved in full;

Also,

The contract of Smith & Cicero, No. 1, new series, from mile post No. 102 to 105, approved so as to allow payment of balance due, \$562 50;

Also,

The contract of Obed Smith, No. 5, from mile post No. 131 to 133, approved so as to allow payment of balance due, \$500 00;

Also,

The contract of Obed Smith, No. 5, from post No. 129 to 131, approved so as to allow payment of balance due, \$500 00.

## WESTERN DIVISION—ALMA AND CLINTON STATE ROAD.

Western Di-  
vision—  
Alma and  
Clinton.

The contract of Edmund Hall, approved November 14, 1868, was, on the recommendation of Commissioner Curtis, extended to November 1, 1871, the sureties having filed written assent thereto;

Also,

The contract of John W. Van Riper and George L. Hitchcock, on the recommendation of Commissioner Curtis, was extended to November 1, 1871, the sureties having filed written assent thereto.

## NORTHERN DIVISION—SANILAC AND HURON STATE ROAD.

Northern  
Division—  
Sanilac and  
Huron.

The contract of E. & J. Erskine, on the recommendation of Commissioner Curtis, was extended to the 1st day of September, 1871, upon the conditions endorsed upon the back of said contract, the sureties having filed written assent thereto.

Lapeer and  
Tuscola.

### LAPEER AND TUSCOLA STATE ROAD.

The contract of Solomon Stone, No. 3, on the recommendation of Commissioner Curtis, was extended to September 1, 1871, upon condition that the sureties file written assent thereto.

Cass River  
and Bay City

### CASS RIVER AND BAY CITY STATE ROAD.

The contract of James P. Demorest, assigned to John Covey, on the recommendation of Commissioner Curtis, was extended to October 1, 1871, upon condition that the sureties file written assent thereto, and that the assignee may at any time be required to put on a reasonable force to complete the job.

Ripley Ditch

### THE RIPLEY DITCH.

The contract of Charles Decker, No. 2, on the recommendation of Commissioner Curtis, was extended to November 1, 1871, the sureties having filed written assent thereto.

In the matter of George N. Fletcher, the following resolution was adopted, viz:

*Resolved*, That the Attorney General be instructed and required to commence legal proceedings against the said George N. Fletcher, for trespasses committed by him on swamp land belonging to the State.

Third Division—  
Allegan,  
Muskegon,  
and Traverse Bay

### THIRD DIVISION—ALLEGAN, MUSKEGON AND TRAVERSE BAY STATE ROAD.

The application of Luther H. Foster, Local Commissioner, to have the contract of P. M. Donaher, No. 2, canceled, together with a letter from B. L. Filer to Gov. Baldwin, recommending the same, was received, and, on motion, it was

*Resolved* (by the Board), That said application be not complied with.

**EXTENSION OF DUNCAN, ALPENA, AND SAUBLE RIVER STATE ROAD.**

Extension of  
Duncan,  
Alpena and  
Sauble river.

The map and field notes this day filed, were approved as of  
the seventh day of September, 1870.

**BRANCH OF THE MACKINAC AND DELTA STATE ROAD.**

Branch of  
Mackinac  
and Delta.

The map and field notes this day filed, were approved.

On motion, the Board adjourned.

O. L. SPAULDING,

*Secretary.*



# INDEX.

	PAGE
<b>AKRON DITCH:</b>	
Contracts extended.....	6, 108
Bond of Commissioner approved.....	15, 120
Operation of Resolution of April 1, 1868, suspended.....	62
Contracts canceled.....	63
Acceptances of Contracts approved.....	95, 96, 148
<b>ALMA AND CLINTON ROAD:</b>	
Acceptances of Contracts approved.....	20, 21, 27, 28, 65, 87, 88, 117
do do do .....	121, 131, 148
Bond of Commissioner approved.....	167
Preamble and resolutions.....	40, 41
Remonstrance received and referred.....	45
Diagram of, adopted.....	47
Accounts allowed.....	75
Contracts extended.....	102, 130
<b>WESTERN DIVISION OF:</b>	
Bond of Commissioner approved.....	64, 77, 155
Map and Survey approved.....	76
Acceptances of Contracts approved.....	125, 131, 153, 160, 166
Route changed.....	157
Contracts extended.....	129, 161, 169
Accounts allowed.....	137
<b>SOUTHERN DIVISION OF:</b>	
Bond of Commissioner approved.....	65
Acceptances of Contracts approved.....	80, 95, 131
Accounts allowed.....	80
<b>ALLEGAN, MUSKEGON, AND TRAVERSE BAY ROAD:</b>	
Acceptances of Contracts approved.....	13, 34, 40, 133, 144, 145, 146
do do do .....	147, 165
Accounts allowed.....	6, 31, 78, 84, 146
Route changed.....	34, 37, 64, 105, 130, 150
Protest against change of route.....	101
Order for S. L. S. R. Com. to issue order for paym't of acc't.....	36
Contracts canceled.....	36, 56
Contract declared forfeited.....	78
Contracts extended.....	120-1, 143
<b>1ST DIVISION OF:</b>	
Bond of Commissioner approved.....	52
Acceptances of Contracts approved.....	86, 115
Accounts allowed.....	86, 104
<b>2D DIVISION OF:</b>	
Bond of Commissioner approved.....	49

	PAGE.
<b>3D DIVISION OF ALLEGAN, MUSKEGON AND TRAVERSE BAY :</b>	
Bond of Commissioner approved.....	49
Map and survey approved.....	61
Acceptances of Contracts approved.....	81, 83, 100, 140
Application for cancelment of Contract refused.....	170
<b>4TH DIVISION OF :</b>	
Bond of Commissioner approved.....	145
Acceptances of Contracts approved.....	147
<b>ALMONT AND CASS RIVER ROAD :</b>	
Contracts extended.....	9, 17, 18
Accounts allowed.....	10, 39, 100
Acceptances of Contracts approved.....	22, 23, 66, 67, 69, 70, 74
Error in Contract corrected.....	26, 27
Operation of resolution of April 1, 1868, suspended.....	58
Contracts canceled.....	59
<b>ALLEGAN AND LAKE SHORE ROAD :</b>	
Accounts allowed.....	48, 49
Bond of Commissioner approved.....	77
<b>ANTRIM DITCH :</b>	
Bond of Commissioner approved.....	110
Acceptances of Contracts approved.....	134
<b>ANGLE DITCH :</b>	
Petition of citizens for appropriation for.....	12
<b>ATTORNEY GENERAL :</b>	
Instructed in regard to matter of Messrs. Orton & Mills....	17
Burnham, Ira Y. and Ammi, case of, referred to.....	98
Opinion of, in case of I. Y. and A. Burnham, filed.....	101
Ordered to prosecute bond of E. F. Bosworth.....	101
Report of Special Commissioner Curtis, in regard to Contract of I. Y. and Ammi Burnham, referred to.....	107-8
Instructed to commence legal proceedings against George N. Fletcher, for trespass.....	170
<b>AU SAUBLE RIVER BRIDGE :</b>	
Accounts allowed.....	66, 76, 106, 112, 118, 130, 138
Place of crossing river changed.....	70
Plan of bridge adopted, etc.....	46, 79, 106
Plan of bridge modified.....	109
Action of Board, adopting plan, etc., rescinded.....	106
Location fixed.....	106
Authority to modify plan of, given.....	106
Contracts approved.....	106, 119
Accounts rejected.....	119
Acceptances of Contracts approved.....	120
<b>BAY DENOC AND GREEN BAY ROAD :</b>	
Contract canceled.....	37
Acceptances of Contracts approved.....	48, 79, 104
Diagram and field notes approved.....	71
Claim of E. S. Ingalls rejected.....	143
Ingalls, E. S., matter of, reconsidered and referred.....	145
Ingalls, E. S., claim of, allowed.....	146
<b>NORTHERN DIVISION OF :</b>	
Acceptances of Contracts approved.....	118, 140
<b>1ST DIVISION OF :</b>	
Bond of Commissioner approved.....	43
<b>2D DIVISION OF :</b>	
Bond of Commissioner approved.....	43

	PAGE.
<b>BERLIN AND GEORGETOWN ROAD:</b>	
Contracts extended.....	6
Acceptances of Contracts approved.....	26
Petition of Commissioners of Highways of Township of Jamestown, in regard to Contract of Ira Y. Burnham, and order thereon.....	94
Burnham, Ira Y. and Ammi, case considered and referred to Attorney General.....	98
Opinion of Attorney General filed, and he ordered to com- mence legal proceedings, etc.....	101
Report of Commissioner Curtis referred to Attorney Gen.	107-8
Route of, changed.....	180
Burnham, Ira Y., Contract of, approved and ordered paid,	149
<b>BERLIN AND JAMESTOWN (GEORGETOWN) ROAD:</b>	
Application for extension of time, received and referred....	18
<b>BIG RAPIDS AND GRAND RAPIDS ROAD:</b>	
Acceptances of Contracts approved.....	20, 35, 67, 76
Contracts canceled.....	44
Operation of resolution of April 1, 1868, suspended.....	61
Preamble and resolutions.....	62-63
<b>BLACK RIVER DITCH:</b>	
Contracts extended.....	125
Acceptances of Contracts approved.....	134
<b>BOARD OF CONTROL:</b>	
Organization of.....	5
<b>MEETINGS OF:</b>	
First Meeting, Feb. 7, 1867.....	5
Second do Feb. 15, 1867.....	7
Third do March 25, 1867.....	9
Fourth do July 3, 1867.....	11
Fifth do July 30, 1867.....	11
Sixth do July 31, 1867.....	14
Seventh do August 28, 1867.....	18
Eighth do Oct. 2, 1867.....	21
Ninth do Oct. 30, 1867.....	24
Tenth do Nov. 28, 1867.....	27
Eleventh Meeting, Dec. 12, 1867.....	32
Twelfth do Jan. 2, 1868.....	34
Thirteenth do Jan. 17, 1868.....	36
Fourteenth do Jan. 30, 1868.....	37
Fifteenth do Feb. 27, 1868.....	40
Sixteenth do April 1, 1868.....	43
Seventeenth do June 3, 1868.....	46
Eighteenth do July 2, 1868.....	50
Nineteenth do July 3, 1868.....	52
Twentieth do July 8, 1868.....	54
Twenty-first Meeting, July 9, 1868.....	62
Twenty-second do Aug. 26, 1868.....	63
Twenty-third do Aug. 27, 1868.....	65
Twenty-fourth do Oct. 7, 1868.....	71
Twenty-fifth do Nov. 19, 1868.....	78
Twenty-sixth do Dec. 3, 1868.....	82
Twenty-seventh do Dec. 31, 1868.....	84
<b>BOARD OF CONTROL:</b>	
Re-organization of.....	98
First Meeting, Jan. 6, 1869.....	98
Second do Jan. 22, 1869.....	98



**BOARD OF CONTROL:**

Third Meeting, Jan. 28, 1869.....	96
Fourth do Feb. 11, 1869.....	97
Fifth do Feb. 12, 1869.....	98
Sixth do Feb. 24, 1869.....	99
Seventh do April 5, 1869.....	100
Eighth do April 28, 1869.....	103
Ninth do May 27, 1869.....	105
Tenth do June 30, 1869.....	108
Eleventh do July 7, 1869.....	111
Twelfth do July 28, 1869.....	111
Thirteenth Meeting, Aug. 26, 1869.....	116
Fourteenth do Oct. 5, 1869.....	120
Fifteenth do Oct. 27, 1869.....	125
Sixteenth do Nov. 24, 1869.....	128
Seventeenth do Jan. 5, 1870.....	135
Eighteenth do Jan. 26, 1870.....	139
Nineteenth do Feb. 23, 1870.....	141
Twentieth do April 6, 1870.....	142
Twenty-first do April 27, 1870.....	143
Twenty-second Meeting, May 26, 1870.....	144
Twenty-third do July 6, 1870.....	146
Twenty-fourth do July 27, 1870.....	150
Twenty-fifth do Aug. 5, 1870.....	152
Twenty-sixth do Sept. 7, 1870.....	152
Twenty-seventh do Oct. 5, 1870.....	156
Twenty-eighth do Oct. 25, 1870.....	158
Twenty-ninth do Nov. 30, 1870.....	162

**BRIDGETON AND OSCEOLA ROAD:**

Acceptances of Contracts approved.....	13, 31, 68, 90, 168
Contracts canceled.....	54
Operation of resolution of April 1, 1868, suspended.....	54
Contracts extended.....	129

**BRIDGE OVER MENOMINEE RIVER (See Menominee River Bridge).****BRANCH OF MACKINAC AND DELTA ROAD:**

Map and field notes approved.....	120, 171
Accounts allowed.....	142
Bond of Commissioner approved.....	145

**BRANCH ROAD (Eaton and Barry Counties):**

Bond approved.....	14
--------------------	----

**BURNHAM, IRA Y.:**

Matter of (see Berlin and Georgetown Road).

**CAPAC AND CLYDE ROAD:**

Acceptances of Contracts approved.....	12, 29, 48, 50, 139
Bond of Commissioner approved.....	15
Contracts extended.....	17, 139
Phelps, John, petition of, and order of payment to.....	102-3
Accounts allowed.....	50

**CAPAC AND CLYDE EXTENSION ROAD:**

Survey and diagram of, adopted.....	48
Bond of Commissioner approved.....	64
Acceptances of Contracts approved.....	86, 148
Accounts allowed.....	148

**CASS RIVER AND BAY CITY ROAD:**

Contracts canceled.....	17, 107
Application for change of route referred to S. L. S. R. Commissioner.....	17
Acceptances of Contracts approved, 32, 45, 89, 90, 116, 124, 133, 136	
do do do ..... 144, 149, 154, 160, 167, 168	

	PAGE.
<b>CASS RIVER AND BAY CITY ROAD :</b>	
Preamble and resolutions.....	41, 42
Contracts declared forfeited.....	57
Operation of resolution of April 1, 1868, suspended.....	57, 58
Resolution allowing A. C. Maxwell to select lands in cer- tain counties.....	97
Bonds of Commissioner approved.....	105
Contracts extended.....	108, 129, 161, 170
<b>CASS RIVER AND WILD FOWL BAY ROAD :</b>	
Bond of Commissioner approved.....	140
Route of, changed.....	151
Acceptances of Contracts approved.....	167
<b>CLINTON COUNTY DITCH :</b>	
Action of Board rescinded.....	23
Appropriation of land (see North Shore Ditch, 35).....	23
<b>CLINTON AND GRATIOT COUNTY DITCH :</b>	
Contracts extended (see Ditch from Maple River to Bad River, 31, 38, 55, 88).....	7
<b>CLIO AND CHESANING ROAD :</b>	
Bond of Commissioner approved.....	49
Contracts canceled.....	59
Profile and diagram approved.....	61
Acceptances of Contracts approved.....	69, 94, 110, 133, 140
Accounts allowed.....	79, 113, 133
<b>COTTONWOOD SWAMP ROAD :</b>	
Bond of Commissioner approved.....	78
Survey of, adopted.....	110
Accounts allowed.....	113
Acceptances of Contracts approved.....	136, 160, 168
<b>CRAWFORD'S QUARRY ROAD :</b>	
Accounts allowed.....	117
Map and field notes approved.....	121
Re-survey ordered.....	142
<b>DEER CREEK AND MENOMINEE MARBLE QUARRY ROAD :</b>	
Bond of Commissioner approved.....	15
Ingalls, E. H., communication of, received and tabled.....	103
<b>DITCH FROM MAPLE RIVER TO BAD RIVER :</b>	
Bond approved.....	31
Acceptances of Contracts approved.....	38, 88
Operation of resolution of April 1, 1868, suspended (see Clinton and Gratiot County Ditch, 7).....	55
<b>DITCH IN SANILAC, ST. CLAIR, AND LAPEER COUNTIES :</b>	
Petition for, received and tabled, and petitioners required to procure survey, etc.....	10
<b>DITCH IN SANILAC COUNTY (See Elk Creek Ditch).</b>	
<b>DITCH IN LAPEER AND ST. CLAIR COUNTIES :</b>	
John M. Lamb, report of, and Swamp Land awarded to contractors.....	85
<b>DUNCAN, ALPENA, AND SAUBLE RIVER ROAD :</b>	
Contract extended.....	8, 128
Route of, changed.....	68, 121
Accounts allowed, 13, 68, 75, 76, 79, 112, 113, 117, 122, 134, 147 do do.....	153, 159
Bond of Commissioner approved.....	19
Operation of resolution of April 1, 1868, suspended.....	52
Acceptances of Contracts approved.....	76, 122, 126, 134, 147, 151, 153
do do do.....	154, 158, 169
Map and field notes filed and approved.....	151

	Page.
<b>DUNCAN, ALPENA, AND AU SAUBLE EXTENSION ROAD :</b>	
Bond of Commissioner approved.....	147
Acceptances of Contracts approved.....	159, 168
Map and field notes filed and approved.....	171
<b>DUNCAN AND ALPENA ROAD :</b>	
Operation of resolution of April 1, 1868, suspended.....	56
<b>EAST SAGINAW AND JUNCTION ROAD :</b>	
Accounts received and tabled.....	7
Accounts allowed.....	8, 69, 91
Contracts extended.....	8
Bond of Commissioner approved.....	15
Acceptances of Contracts approved, 35, 38, 39, 51, 69, 73, 91, 95 do do do.....	104, 109, 114
<b>EAST SAGINAW AND SAUBLE RIVER ROAD :</b>	
Bond of Commissioner approved.....	39, 157
Accounts allowed.....	46, 54, 68
Acceptances of Contracts approved, 124, 126, 134, 136, 155, 165, 167	131, 161
Route of, changed.....	
<b>EAST SAGINAW, SAUBLE RIVER, AND DUNCAN ROAD :</b>	
Map and survey approved.....	62
<b>ELK CREEK DITCH ; otherwise, Ditch in Sanilac County :</b>	
Acceptances of contracts approved.....	31, 79
Accounts allowed.....	31, 100
Operation of resolution of April 1, 1868, suspended.....	52
Contracts declared forfeited, and Commissioner instructed to prosecute bond.....	53
Preamble and resolution.....	59, 60
Resolution rescinded.....	65
<b>EMMET AND GRAND TRAVERSE ROAD :</b>	
Accounts allowed.....	16
Acceptances of Contracts approved.....	34
<b>ENGLISHVILLE AND CROTON ROAD :</b>	
Attorney General instructed in regard to Contract of a Mr. Orton, contractor.....	17
Acceptances of Contracts approved.....	19, 32, 66
Change of route of, ordered.....	36
Bond of Commissioner approved.....	63
<b>FLAT RIVER IMPROVEMENT :</b>	
Bond of Commissioner approved.....	15
<b>FLETCHER, GEORGE N. :</b>	
Matter of trespass of, referred to Commissioner Curtis.....	146
Legal proceedings against, for trespass, ordered.....	170
<b>FORM :</b>	
For Acceptance of Contract by Local Commissioner.....	15, 16
For certificate of S. L. S. R. Commissioner.....	16
For receipt for warrant.....	16
<b>GENESEE AND SAGINAW ROAD :</b>	
Acceptances of Contracts approved.....	110
<b>GENEVA AND SAGINAW BAY ROAD :</b>	
Bond of Commissioner approved.....	143
<b>GENESEE AND TUSCOLA ROAD :</b>	
Bond approved.....	31
Acceptances of Contracts approved.....	86, 88, 89
Operation of resolution of April 1, 1868, suspended.....	58
<b>GRATIOT COUNTY DITCH, from Maple River to Bad River :</b>	
(See Ditch from Maple River to Bad River.)	

<b>GREENVILLE AND BIG RAPIDS ROAD :</b>	
Acceptances of Contracts appr'd, 20, 26, 35, 74, 75, 79, 126, 151, 162	
Route of, changed.....	47
Operation of resolution of April 1, 1868, suspended.....	56
<b>GREENVILLE AND BLOOMER ROAD :</b>	
Contracts extended.....	129, 161
Acceptances of Contracts approved.....	182
<b>HASTINGS AND LOWELL ROAD :</b>	
Bond of Commissioner approved.....	107
Survey, etc., of, adopted.....	111
Accounts allowed.....	118, 124
Accounts rejected.....	130
Acceptances of Contracts approved.....	137
<b>HOUGHTON AND L'ANSE BAY ROAD :</b>	
Map and field notes filed and approved.....	157
<b>HURON CITY AND BAD AX ROAD :</b>	
Bond of Commissioner approved.....	14
Route of, approved.....	71
Contracts extended.....	157
<b>INGHAM AND CLINTON ROAD :</b>	
Acceptances of Contracts approved.....	12, 35, 83
Accounts allowed.....	39
<b>IONIA AND SMYRNA ROAD :</b>	
Bond of Commissioner approved.....	42
Accounts allowed.....	70, 127
Acceptances of Contracts approved.....	133
<b>IONIA, HOUGHTON LAKE, AND MACKINAC ROAD :</b>	
Bond of Commissioner approved.....	21
Acceptances of Contracts approved, 25, 83, 95, 125, 126, 181, 153	
do do do.....	160, 167, 168
Route of, changed.....	38, 149, 150
Accounts allowed.....	40, 109, 125, 168
Contracts extended.....	81, 129, 161
<b>SOUTHERN DIVISION OF :</b>	
Bond approved.....	106
Acceptances of Contracts approved.....	131, 166, 167
<b>IONIA AND VERMONTVILLE ROAD :</b>	
Application for modification of Contract tabled.....	8, 9
Contract extended.....	9
Acceptances of Contracts approved.....	51
<b>ITHACA AND ALMA ROAD :</b>	
Acceptances of Contracts approved.....	28
<b>LAPEER AND TUSCOLA ROAD :</b>	
Twelve hundred dollars ordered paid to Hiram Curtis, on contract.....	12
Acceptances of Contracts approved.....	83, 66, 79, 114, 124, 133, 151
Operation of resolution of April 1, 1868, suspended.....	56
Accounts allowed.....	102
Contracts extended.....	142, 170
Newman, Alexander, relief of, refused.....	119
<b>L'ANSE BAY AND STATE LINE ROAD :</b>	
Bond of Commissioner filed and approved.....	155
Acceptances of Contracts approved.....	163
<b>LEXINGTON AND FLINT RIVER ROAD :</b>	
Account allowed.....	11
Acceptances of Contracts approved.....	13, 126, 148
Operation of resolution of April 1, 1868, suspended.....	53, 55

	PAGE.
<b>LEXINGTON AND FLINT RIVER ROAD :</b>	
Contracts canceled.....	55
Bond of Commissioner approved.....	77
<b>WEST DIVISION OF :</b>	
Acceptances of Contracts approved.....	22, 73
<b>MARQUETTE AND LITTLE BAY DE NOC ROAD :</b>	
Contract canceled.....	37
<b>MANISTEE, HOUGHTON LAKE, AND TRAVERSE BAY ROAD :</b>	
Contract extended.....	156-7
<b>MANISTEE AND LELAND ROAD :</b>	
Route of, approved.....	70
Accounts allowed.....	101, 106, 122, 154
Account returned for sub-vouchers.....	101
Acceptances of Contracts approved, 122, 136, 141, 154, 159, 166, 168	
Petition for change of route of, presented.....	122
Route of, changed.....	123, 146
Route of, changed, conditionally.....	139
Delbridge & Welch, resolution as to payment of.....	136
Matter of change of route referred to Commissioner.....	144
Contracts canceled.....	155
<b>SOUTH DIVISION OF :</b>	
Acceptances of Contracts approved.....	166
<b>MACKINAC AND DELTA ROAD :</b>	
Bond of Commissioner approved.....	14, 105
Contracts canceled.....	87
<b>MACKINAC AND DELTA, BRANCH OF :</b>	
(See Branch of Mackinac and Delta.)	
<b>MEETINGS OF BOARD OF CONTROL :</b>	
(See Board of Control, meetings of.)	
<b>MENOMINEE RIVER BRIDGE :</b>	
Acceptances of contracts approved.....	48
<b>MIDLAND AND ISABELLA ROAD :</b>	
Contracts extended.....	8, 13, 17
Contracts canceled.....	22, 57
Acceptances of Contracts approved.....	34, 72, 89, 100, 124, 141
Operation of resolution of April 1, 1868, suspended.....	57
Bond of Commissioner approved.....	77
<b>MIDLAND, HOUGHTON LAKE, AND GRAND TRAVERSE BAY ROAD :</b>	
Bonds of Commissioner approved.....	14, 157
Plan of bridge approved.....	54
Accounts allowed.....	61
Acceptances of Contracts approved, 75, 111, 132, 133, 142, 148, 158	
Contracts extended.....	81, 82, 128, 129, 161-2
<b>WEST DIVISION OF :</b>	
Acceptances of Contracts approved.....	75, 85, 86, 133
Route of, changed.....	163
Survey and profile adopted.....	40
<b>EASTERN DIVISION OF :</b>	
Acceptances of Contracts appr'd, 85, 113, 114, 116, 124, 126, 132, 138	
<b>NORTHERN DIVISION OF :</b>	
Acceptances of Contracts approved.....	119
<b>MINERAL RANGE ROAD :</b>	
Bond of Commissioner approved.....	14, 77
Acceptances of Contracts approved.....	23, 45, 69, 135, 156
Accounts allowed.....	53, 107
Operation of resolution of April 1, 1868, suspended.....	56
Route of, changed.....	77-8

**MISHTEGAY DITCH :**

Acceptances of Contracts approved.....	35
Accounts allowed.....	45

**MONTCALM AND GRATIOT ROAD :**

Bond of Commissioner approved.....	44, 118
Accounts allowed.....	61, 64, 103, 137
Survey approved.....	64
Acceptances of Contracts approved.....	89, 94, 117, 119, 121, 131, 132
do do do.....	149, 154, 164
Contracts extended.....	129

**MONEY :**

Statement of, received and disbursed on account of trespass on the public lands.....	84
---	----

**MUSKEGON AND CEDAR SPRINGS ROAD :**

Acceptances of Contracts appr'd, 45, 74, 87, 114, 124, 134, 137, 162	
Contracts canceled.....	57
Route of, changed.....	99
Contracts extended.....	101, 102, 128, 161
Accounts allowed.....	144
Bond of Commissioner approved.....	155

**MUSSEY DITCH :**

Acceptances of Contracts approved.....	33
--	----

**NEWAYGO AND DAYTON ROAD :**

Contracts extended.....	9, 10, 18
Acceptances of Contracts approved.....	12, 19, 30

**NEWAYGO AND DAYTON EXTENSION ROAD :**

Bond of Commissioner approved.....	145
------------------------------------	-----

**NEWAYGO AND NORTHPORT ROAD :**

Contracts extended.....	9, 102
Acceptances of Contracts approved.....	30, 33, 68, 73, 90, 91, 114, 117
do do do.....	123, 136, 141, 147, 160
Operation of resolution of April 1, 1868, suspended.....	55
Accounts allowed.....	104, 133, 147
Bond of Commissioner approved.....	107
Route of, changed.....	130

**NEW HAVEN AND FAIRFIELD ROAD :**

Time for completion of, extended.....	10
Operation of resolution of April 1, 1868, suspended.....	56

**NORTH SHORE DITCH (Clinton County) :**

Acceptances of Contracts approved.....	35
(See Clinton County Ditch, 23.)	

**ONTONAGON AND MONTREAL RIVER ROAD :**

Bond of Commissioner approved.....	21, 135
Accounts allowed.....	99, 102, 104, 109, 118, 160
Accounts referred to U. P. S. L. S. R. Commissioner.....	108
Acceptances of Contracts approved.....	118, 120
Crozier, J. A. & Co., Contract of, canceled conditionally..	152
Contract of, declared void.....	156
Randolph, Albert, additional compensation allowed to....	162-3

**ONTONAGON AND STATE LINE ROAD :**

Bond of Commissioner approved.....	22
Accounts allowed.....	37, 75, 99
Profile approved.....	46
Former action of Board reconsidered.....	52

**OVID AND ST. CHARLES ROAD :**

Petition for change of route, referred, etc.....	39
Petition for change of route, denied.....	44
Bond of Commissioner approved.....	49

	PAGE.
<b>OVID AND ST. CHARLES ROAD:</b>	
Route of, changed.....	65
Acceptances of Contracts approved, 68, 74, 81, 117, 124, 127, 134, 159	
Contracts extended.....	128, 157
<b>PACK, GEORGE W.:</b>	
Application of, to select lands.....	44
<b>PETITIONS:</b>	
John M. Roe of, and others, for ditch, received and tabled,	10
Citizens of Gratiot County of, for road and for appropriat'n,	12
Citizens of Shiawassee County of, for appropriation for	
ditch, etc.....	12
John McRay and others of, referred.....	23
<b>PORT AUSTIN AND SANILAC ROAD:</b>	
Account tabled.....	6
Communication relative to length of, received and referred,	11, 12
Accounts allowed.....	27, 48, 127
Acceptances of Contracts approved.....	33, 103, 113, 115, 123, 127
Contracts canceled.....	53
Route of, changed.....	115
<b>SOUTHERN DIVISION OF:</b>	
Bond of Commissioner approved.....	107
<b>PORT AUSTIN AND SANILAC EXTENSION ROAD:</b>	
Acceptances of Contracts approved.....	25
<b>PORT AUSTIN AND UNIONVILLE ROAD:</b>	
Bond of Commissioner approved.....	118
Map and field notes approved.....	121
Acceptances of Contracts approved.....	137, 148
Change of route adopted.....	143
<b>PORT HOPE AND WILD FOWL BAY ROAD:</b>	
Bond of Commissioner approved.....	130
Map and field notes approved.....	150, 151
Accounts allowed.....	153
<b>PORT HURON, BAY CITY, AND LANSING ROAD:</b>	
Contracts annulled.....	5
Route of portion of, changed.....	5, 6, 31, 70-1
Application for the acceptance of Contracts, received and	
referred.....	7
Contracts extended.....	9
Commissioner appointed to examine a portion of.....	121
Communication and petition received and referred.....	10
Operation of resolution of April 1, 1868, suspended.....	59
Acceptances of Contracts approved.....	20, 25, 95, 109, 148, 157
C. C. Darling, report of L. B. Curtis on Contract of, appr'd,	134
Claim for damages allowed.....	39
Contracts canceled.....	42, 149
Accounts allowed.....	166
Re-survey and profile approved.....	43
Bond of Commissioner approved.....	50, 77
<b>EASTERN DIVISION OF:</b>	
Accounts allowed.....	100
Acceptances of Contracts approved.....	29, 33, 50, 66, 74, 86, 127
Contracts canceled.....	82
Contracts extended.....	82
<b>SECOND DIVISION OF:</b>	
Acceptances of Contracts approved.....	24
<b>WESTERN DIVISION OF:</b>	
Acceptances of Contracts approved.....	29, 67, 80
Russell, James, additional amount allowed to.....	83

	PAGE.
<b>SOUTHERN DIVISION OF:</b>	
Acceptances of Contracts approved.....	86, 87
<b>PORT SANILAC AND TUSCOLA ROAD:</b>	
Bond of Commissioner approved.....	7
Acceptances of Contracts approved.....	30, 39, 125
Contracts declared forfeited.....	59
Operation of resolution of April 1, 1868, suspended.....	59
<b>PORTAGE RIVER ROAD:</b>	
Accounts allowed.....	61
<b>RESOLUTION:</b>	
As to the cancelation of Contracts.....	44
<b>RIVER DU FIL HARBOR:</b>	
Acceptances of Contracts approved.....	13
<b>RIPLEY DITCH:</b>	
Application for expenditure of appropriation.....	119
Appropriation, balance of, ordered expended.....	123
Contracts extended.....	170
<b>RIPLEY DITCH EXTENSION:</b>	
Bond of Commissioner approved.....	130
<b>ROGUE RIVER IMPROVEMENT:</b>	
Contracts extended.....	102
Acceptances of Contracts approved.....	137, 145
<b>SAGINAW AND GRATIOT ROAD:</b>	
Contracts extended.....	8, 138, 149
Acceptances of Contracts approved.....	22, 33, 42, 72, 73, 153
Contracts canceled.....	42
<b>SAGINAW, GRATIOT, AND NEWAYGO ROAD:</b>	
Acceptances of Contracts approved.....	29, 80, 87, 115, 121, 127, 148
do do do.....	152, 161
Survey and profile adopted.....	47
Profile, etc., approved.....	51
Accounts allowed.....	47, 48, 51, 75, 80, 109
Plan of bridge approved.....	53
Map and field notes filed and approved.....	150
<b>SAGINAW CITY AND OWOSSO ROAD:</b>	
Accounts allowed.....	37
Bonds of Commissioner approved.....	19, 64
Survey, etc., of, adopted.....	110
Corrected survey, etc., filed and approved.....	125
<b>SANILAC AND BAY ROAD:</b>	
Acceptances of Contracts approved.....	23, 96, 97, 126, 147, 163, 164
Contract declared void, etc.....	26
Contract declared forfeited.....	58
Reconsideration of action of Board asked for and refused,	38
Contracts extended.....	188
<b>WESTERN DIVISION OF:</b>	
McCormick, James, balance due to, ordered paid.....	112
<b>EASTERN DIVISION OF:</b>	
Acceptances of Contracts approved.....	134, 147, 153, 164
<b>SANILAC AND HURON ROAD:</b>	
Bond of Commissioner approved.....	14
Acceptances of Contracts approved.....	24, 25, 31, 33, 95, 137
Accounts allowed.....	27
Contracts extended.....	157
Operation of resolution of April 1, 1868, suspended.....	60
Route of, approved.....	71



	PAGE.
<b>SOUTHERN DIVISION OF :</b>	
Acceptances of Contracts approved.....	87, 115, 117, 123
Accounts allowed.....	116
<b>NORTHERN DIVISION OF :</b>	
Accounts allowed.....	99
Bond of Commissioner approved.....	155
Acceptances of Contracts approved.....	114, 127
Contracts extended.....	128, 129, 155, 169
<b>SANILAC AND TUSCOLA ROAD :</b>	
(See Port Sanilac and Tuscola.)	
<b>SAUGATUCK AND OVEREISEL ROAD :</b>	
Accounts allowed.....	107, 151
Bond of Commissioner approved.....	150
Map and field notes filed and approved.....	150
<b>SAUBLE RIVER BRIDGE :</b>	
(See Au Sauble River Bridge.)	
<b>SHIAWASSEE TOWNSHIP (Shiawassee County) ROAD :</b>	
Munger, Thomas, communication of, referred to Com.....	12
Land allowed in payment of Contract.....	72
<b>S. L. S. R. COMMISSIONER :</b>	
Weller, F. D., communication of, referred to.....	10
Cottrel, C. B., communication of, referred to.....	11, 12
Munger, Thomas, communication of, referred to.....	12
Petition for road, and for appropriation, referred to.....	12
Petition for appropriation to construct ditch, referred to.....	12
Form of certificate of.....	16
Change of route of C. R. & B. C. Road referred to.....	17
Application for extension of time on B. & J. Road ref'd to,	18
Petition for appropriation for ditch referred to.....	23
Ordered to issue his warrant for payment of account.....	36
Instructed to draw certificate for lands in Lower Penin-	
sula, in payment of Contracts on Alma and Clinton	
Road.....	41
Authorized to draw warrant in favor of A. Hill, for 160	
acres of land.....	42
Swamp land to be expended under direction of.....	43
To notify Contractors of resolution of Board as to cancel-	
ation of Contracts.....	44
Remonstrance, etc., of citizens of Isabella County ref'd to,	45
Instructed to prosecute J. F. Wiley, Contractor on Cass	
River and Bay City Road, for non-performance of	
Contract.....	57
Instructed to prosecute Contractors on Sanilac and Tuscola	
Road, for non-performance of Contract.....	59
Instructed to prosecute Contractors on Tuscola and Sagi-	
naw Bay Road, for non-performance of Contract.....	60
Matter of E. L. Gray referred to.....	62-3
Statement of moneys received and disbursed by, on account	
of trespass on the public lands.....	84
Ordered to inspect certain roads, and report as to letting	
contracts to Ira Y. Burnham.....	94
Report of, in case of Ira Y. and Ammi Burnham.....	101
Matter of expenditure of balance of appropriation on Rip-	
ley Ditch referred to.....	119
Authorized to expend balance of appropriation on Ripley	
Ditch.....	123
Report of, as to Contract of C. C. Darling.....	134
Authorized to change route of Manistee and Leland Road,	139

	PAGE.
<b>S. L. S. R. COMMISSIONER :</b>	
Change of route of Manistee and Leland Road at Glen Lake referred to.....	144
Matter of E. S. Ingalls referred to.....	145
Matter of trespass of George N. Fletcher referred to.....	146
<b>S. L. S. R. COMMISSIONER FOR UPPER PENINSULA :</b>	
Oath and bond of, filed.....	106
Randolph, A., account of, referred to.....	108
Randolph, A., account of, reported upon by.....	109
Authority of, to employ clerk, revoked.....	163
<b>ST. MARY'S RIVER AND MACKINAC ROAD :</b>	
Bond of Commissioner approved.....	44
Route of, changed.....	102
Accounts allowed.....	72, 80, 106, 141
Acceptances of Contracts approved.....	72, 80, 118, 185
Allowance of accounts rescinded.....	138
<b>ST. MARY'S FALLS AND MACKINAC ROAD :</b>	
(See St. Mary's River and Mackinac.)	
<b>ST. LOUIS AND PINE RIVER ROAD :</b>	
Acceptances of Contracts approved.....	35, 67, 148
Bond of Commissioner approved.....	150
Operation of resolution of April 1, 1868, suspended.....	60
<b>TRAVERSE BAY AND MIDLAND CITY ROAD :</b>	
(See Midland, Houghton Lake, and Traverse Bay.)	
<b>TRESPASS ON PUBLIC LANDS :</b>	
Report of Commissioner Curtis, his action, approved.....	84
Fletcher, George N., matter of trespass of, referred to Commissioner Curtis.....	146
<b>TUSCOLA AND SAGINAW BAY ROAD :</b>	
Bonds of Commissioner approved.....	22, 105
Acceptances of Contracts approved.....	30, 50, 89, 168
Contract extended.....	168
Land appropriated.....	43
Contracts declared forfeited.....	60
Contracts canceled.....	149
Operation of resolution of April, 1, 1868, suspended.....	60
<b>TUSCOLA AND BAY ROAD :</b>	
(See Tuscola and Saginaw Bay.)	
<b>UPPER PENINSULA S. L. S. R. COMMISSIONER :</b>	
(See S. L. S. R. Commissioner for U. P.)	
<b>VIENNA AND STATE LINE ROAD :</b>	
Bonds of Commissioner approved.....	10, 49
Survey and map approved.....	61
Contracts extended.....	83
Accounts allowed.....	122
Acceptances of Contracts approved.....	122
<b>WHITE LAKE AND BIG RAPIDS ROAD :</b>	
Bonds of Commissioner approved.....	18, 110
Diagram, survey, etc., of, adopted.....	112
Survey and field notes filed and approved.....	145
Accounts allowed.....	113, 132, 159
Acceptances of Contracts approved.....	123, 126, 132, 137, 145, 148
do do do.....	153, 159
Contracts extended.....	140
<b>WHITE ROCK AND BINGHAM ROAD :</b>	
Contract extended.....	6
Acceptances of Contracts approved.....	28
Bond of Commissioner filed and approved.....	158

	Page.
<b>WISCONSIN AND LAKE SUPERIOR ROAD :</b>	
Bond of Commissioner approved.....	140
Route of, approved.....	70
Route of, changed.....	115
Acceptances of Contracts approved.....	110, 135, 140, 163
Contracts extended.....	138, 167
Survey and field notes filed and approved.....	139
<b>WISCONSIN AND LAKE SUPERIOR EXTENSION ROAD :</b>	
Bond approved.....	83
Acceptances of Contracts approved.....	140, 163
Accounts allowed.....	142













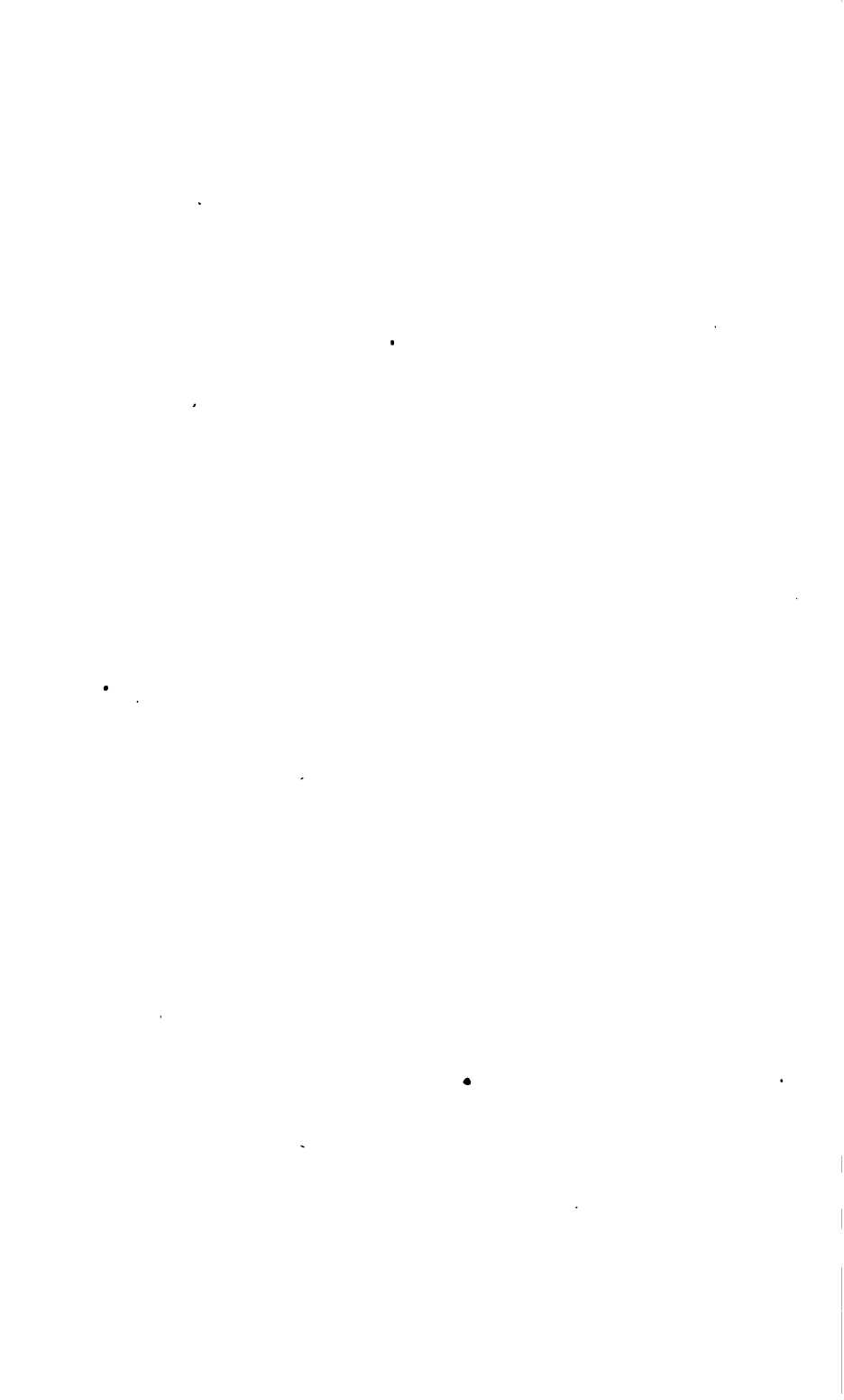


THIRD ANNUAL REPORT  
OF THE  
SECRETARY OF STATE  
OF THE  
STATE OF MICHIGAN,  
RELATING TO THE REGISTRY AND RETURN OF  
BIRTHS, MARRIAGES, AND DEATHS,  
FOR THE YEAR 1869.



*BY AUTHORITY.*

LANSING:  
W. S. GEORGE & CO., PRINTERS TO THE STATE:  
1870.



## PREFACE.

STATE DEPARTMENT, MICHIGAN.

SECRETARY'S OFFICE,  
*Lansing, December 15, 1870.* }

To His Excellency HENRY P. BALDWIN,

*Governor of Michigan:*

SIR:—I have the honor herewith to submit my Third Annual Report of Births, Marriages, and Deaths, being for the year 1869.

The returns to this Department should have been received by September 1st, but in some instances County Clerks neglected making their returns until November, thus delaying the preparation of important tables.

There is, however, a marked improvement in this regard over former years, and it is probable there will be little cause for complaints of this kind in the future.

Complaints are frequent that marriages have been solemnized of which no returns have been made.

For obvious reasons, there should be record proof in the proper offices, of every marriage; and great pains have been taken by this Department to urge and facilitate the making of these returns.

Copies of the law, and the necessary blank returns have been placed in the hands of every Clergyman and Justice of the Peace in the State, and there is no excuse for this disregard of the law.

Delinquents, when known, have been reported to the proper officers for prosecution, but this course furnishes no adequate remedy for the evil. Whether the present law is the best that can be devised, or a marriage license law is preferable, is a question worthy of consideration.

In the preparation of a part of this Report, the services of a physician of recognized ability and standing in the profession are not only desirable, but almost indispensable.

The law should provide an adequate compensation for these services.

This part of the present report has been in charge of Dr. H. B. Baker, a member of the State Medical Society, to whom I take pleasure in acknowledging my obligation, and to whom is due whatever of merit it may contain. Possessing a rare fitness and ability for the work, he has devoted to it much time and labor.¶

In submitting the results of his labors, it is hoped they may possess the value anticipated, and meet the commendation of his professional brethren.

Very respectfully,

O. L. SPAULDING,

*Secretary of State.*

# THIRD REGISTRATION REPORT.

FOR THE YEAR 1869.

The present report contains statistics for the entire year eighteen hundred and sixty-nine, in conformity with the amendments to the law requiring the registration and return of births, marriages, and deaths, passed at the last regular session of the Legislature.

This report is, in many respects, more perfect than the preceding ones, the returns to this department generally evincing greater care on the part of those whose duty it is to compile them. It is not surprising that some errors should be made in the returns, on account of the frequent transcriptions made before reaching this office. Such mistakes are corrected as far as is possible by correspondence, and by personal visits to the offices of County Clerks.

The statistics contained in this Report, being for an entire year, furnish a basis of comparison for future years. No attempt at general comparison has been made this year with the tables of the two previous reports, for the reason that the first contained many errors, incident to the introduction of a new law of this character, and the second was compiled from returns embracing statistics for only a fractional part of a year.

## THIRD REGISTRATION REPORT.

Below are given the births, marriages, and deaths, as contained in the first, second, and this report:

FIRST REPORT.			SECOND REPORT.			THIRD REPORT.		
April 5th, 1867, to April 5th, 1868.			April 5th, 1868, to Dec. 31st, 1868.			Jan. 1st, 1869, to Dec. 31st, 1869.		
Births.	Mar.	Deaths.	Births.	Mar.	Deaths.	Births.	Mar.	Deaths.
19,544	5,708	6,250	19,171	5,485	6,826	27,098	8,459	9,145

Comparing the number of births, marriages, and deaths, as returned for the last nine months of the years 1867, 1868, and 1869, we have the following:

## BIRTHS.

YEAR.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.	Unk'n.	Total.
1867....	1,573	1,872	1,885	1,542	1,704	1,641	1,661	1,502	1,554	81	14,015
1868....	1,607	2,087	1,944	2,168	2,899	2,862	2,246	2,099	2,288	81	19,171
1869....	2,042	2,221	2,085	2,466	2,781	2,682	2,508	2,861	2,512	49	21,657

## MARRIAGES.

YEAR.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.	Unk'n.	Total.
1867....	181	189	157	324	367	605	864	752	878	14	4,326
1868....	560	611	487	635	593	718	788	662	524	8	5,495
1869....	716	756	628	750	629	775	775	686	563	17	6,292

## DEATHS.

YEAR.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.	Unk'n.	Total.
1867....	592	888	846	873	512	627	553	485	518	76	4,407
1868....	496	508	482	747	983	1,041	776	602	666	38	6,824
1869....	712	652	680	687	1,068	1,194	874	666	886	48	7,987

By the foregoing it will be seen that the returns for 1869, as compared with similar months in 1867 and 1868, are largely increased. This is accounted for in part by the natural increase in population, but it also indicates more care and accuracy on the part of those who collect the statistics.

The whole number of names returned by the several County Clerks, as registered for the period from January 1st to December 31st, 1869, inclusive, was fifty-three thousand one hundred and fifty-six (53,156), viz:

Twenty-seven thousand and ninety-three (27,093) children were born, of which thirteen thousand five hundred and seventy-two (13,572) were males, twelve thousand four hundred and eighty-eight (12,488) were females, and sixty-four (64) sex not given.

Sixteen thousand nine hundred and eighteen (16,918) persons, or eight thousand four hundred and fifty-nine (8,459) couples were married.

The whole number of deaths returned was nine thousand one hundred and forty-five (9,145).

The excess of births over deaths was 17,948.

#### DELINQUENT.

No returns have been received from the counties of Chippewa, Delta, Keweenaw, Mackinac, and Manitou, nor from the townships of Sheridan and White Rock, in the county of Huron. The county of Delta is represented in the Second Annual Report, containing statistics from April 5th to December 31st, 1868, inclusive; but, with this exception, the officials of the five counties first mentioned have failed, through negligence or otherwise, to comply with the law requiring the return of births, marriages, and deaths. The necessary blank forms for the collection of the statistics were furnished the Clerks of said counties, and their attention has been repeatedly called to the importance of making the returns. The delinquents were reported to the Prosecuting Attorneys of their respective counties, with a request to proceed against them,



but as yet no satisfactory results have been attained in this direction. These counties are far removed from direct communication, and are composed, in part, of islands in the lakes. As far as any official information is concerned, it is impossible to say whether or not people are born, given in marriage, or die, in these localities. It is gratifying to know that the number of counties, townships, and wards reported delinquent this year, is considerably less than in the two previous reports.

#### POPULATION.

We are indebted to United States Marshals J. R. Bennet and James Henry for the official figures showing the population of this State, by counties, for 1870, from which the various tables of percentage contained in this report have been made. The population of the unorganized counties of Kalkaska, Lake, Missaukee, Ogemaw, Oscoda, and Presque Isle, was added to that of the organized counties to which they are attached, and from which the returns of births, marriages and deaths, in said unorganized counties, were received.

The aggregate population of Michigan, as received from the above sources, is 1,190,137.

The proportion of marriages to total population is about 1 to 140.

The proportion of deaths to births is nearly 1 to 3.

The proportion of male deaths to male births is 1 to 2.93.

The proportion of female deaths to female births is 1 to 3.

The proportion of unknown deaths to unknown births is 1 to 1.48.

The above proportions have been worked out from the following table:

TABLE.

*Exhibiting, by Counties and State, the Population of 1870, and the number of Marriages, Births, and Deaths which were registered and returned during the year 1869; also, by Sex, the Excess of Births over Deaths, and Deaths over Births.*

COUNTIES.	Population.	Marriages.	BIRTHS.			DEATHS.			Excess of Births over Deaths.			Excess of Deaths over Births.				
			Whole Number.	SEX.		Whole Number.	SEX.		Male.	Female.	Unk'wn.	Male.	Female.	Unk'wn.		
				Male.	Female.		Male.	Female.								
															Unk'wn.	
Alcona.....	760	5	4	1	3	..	1	1	..	..	..	..	..	..	..	Unk'wn.
Allegan.....	32,151	260	688	359	300	4	205	105	98	2	234	202	2	..	..	..
Alpena.....	3,111	42	84	42	42	..	30	14	16	..	23	26	..	..	..	..
Antrim.....	2,409	14	56	34	22	..	10	6	4	..	23	18	..	..	..	..
Barry.....	22,070	140	542	292	250	..	153	82	71	..	210	179	..	..	..	..
Bay.....	15,900	86	264	139	135	..	116	76	40	..	58	95	..	..	..	..
Benzie.....	2,164	12	21	11	9	1	20	7	13	..	4	..	1	..	4	..
Berrien.....	85,010	814	642	341	299	2	215	97	118	..	244	181	2	..	..	..
Branch.....	24,244	285	529	272	256	1	181	82	99	..	190	157	1	..	..	..
Calhoun.....	86,172	164	736	369	366	1	271	133	131	7	236	235	..	..	..	6

TABLE—CONTINUED.

COUNTIES.	BIRTHS.		DEATHS.				Excess of Births over Deaths.			Excess of Deaths over Births.						
	Population.	Marriages.	Whole Number.	Sex.			Whole Number.	Sex.			Male.	Female.	Unk'wn.			
				Male.	Female.	Unk'wn.		Male.	Female.	Unk'wn.						
Cass.....	21,097	149	524	272	246	6	200	102	98	..	170	146	6	..	..	Unk'wn.
Charlevoix.....	1,724	6	41	19	22	..	10	8	7	..	16	15	..	..	..	Female.
Cheboygan.....	2,197	15	54	28	26	..	9	4	5	..	24	21	..	..	..	Male.
Chippewa.....	1,680	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Unk'wn.
Clinton.....	22,886	156	639	329	310	..	171	83	88	..	246	222	..	..	..	Female.
Delta.....	2,441	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Unk'wn.
Eaton.....	25,190	148	625	293	331	1	198	98	94	1	195	237	..	..	..	Male.
Emmet.....	1,211	12	63	29	34	..	40	18	22	..	11	12	..	..	..	Unk'wn.
Genesee.....	33,910	248	708	354	348	1	228	117	108	3	237	240	..	..	..	Female.
Grand Traverse.....	4,443	31	132	78	52	2	42	22	20	..	56	32	2	..	..	Unk'wn.
Gratiot.....	17,359	90	280	133	125	3	81	42	35	4	111	90	..	..	..	Male.
Hillsdale.....	31,705	228	692	344	348	..	222	123	99	..	221	249	..	..	..	Unk'wn.
Houghton.....	13,903	63	522	279	243	..	138	68	55	..	211	133	..	..	..	Female.

### BIRTHS.

[illegible]

TABLE—CONTINUED.

COUNTIES.	Population.	Marriages.	BIRTHS.			DEATHS.			Excess of Births over Deaths.			Excess of Deaths over Births.			
			Whole Number.	Sex.		Whole Number.	Sex.		Male.	Female.	Unk'wn.	Male.	Female.	Unk'wn.	
				Male.	Female.		Male.	Female.							Unk'wn.
Monroe.....	27,486	218	695	360	331	4	242	125	114	8	285	217	1	..	
Montcalm.....	13,561	83	259	142	117	..	85	48	87	..	94	80	..	..	
Muskegon.....	14,809	138	309	186	212	1	198	73	64	1	118	148	..	..	
Newaygo.....	7,294	53	208	118	90	..	37	35	22	..	78	68	..	..	
Oakland.....	40,398	380	706	370	334	2	241	136	105	..	284	229	2	..	
Oceana.....	7,222	64	188	109	78	1	70	43	27	..	66	51	1	..	
Ontonagon.....	2,895	15	117	57	60	..	33	20	13	..	37	47	..	..	
Oscoda.....	2,638	15	75	34	41	..	10	4	6	..	30	35	..	..	
Ottawa.....	26,053	177	651	350	331	..	294	131	103	..	219	293	..	..	
Reginau.....	38,902	192	1,080	547	532	1	444	229	210	5	318	392	..	4	
Sanilac.....	14,564	91	340	155	154	1	68	34	34	..	131	130	1	..	
Shiawassee.....	20,836	129	522	296	285	1	154	75	76	1	211	157	..	..	
St. Clair.....	36,937	364	573	423	417	2	299	171	127	1	283	290	1	..	

BIRTHS.

13

St. Joseph.....	24,609	250	519	273	247	..	300	97	108	..	175	144	..	..	...
Tuscola.....	12,715	74	292	146	145	1	99	49	50	..	97	95	1	..	...
Van Buren.....	25,898	170	605	315	290	..	187	109	76	..	206	212	..	..	...
Washtenaw.....	41,449	800	711	864	337	..	249	129	120	..	225	287	..	..	...
Wayne.....	119,055	904	3,704	1,919	1,778	12	1,311	720	587	4	1,199	1,186	8	..	...
Wexford.....	740	4	19	10	9	..	5	3	2	..	7	7	..	..	...
State.....	1,190,137	8,459	27,098	14,071	12,955	64	9,145	4,796	4,806	48	9,275	8,656	38	4	17



## BIRTHS.

The average number of births within several specified periods of time is as follows:

Year.....	27,093
Month.....	2,257.75
Week.....	521.01
Day.....	73.95

Of the 27,093 children born, 13,572 were males, 12,488 were females, and 64 sex not given. The parents of 12,093 children were born in the United States; the parents of 8,043 children were born in foreign countries; 1,219 children were born of American fathers and foreign mothers; 1,904 children were born of foreign fathers and American mothers, and the nativity of the parents of 2,867 was not returned, or reported as unknown.

*African and Indian.*—One hundred and fifty-two children (77 males and 75 females) were born of African parents, and seventy-two children (40 males and 32 females) were born of Indian parents.

*Twins.*—There were born 304 pairs of twins (608 children), of which 319 were males and 289 were females.

*Triplets.*—Four sets of triplets were born,—one in Barry county, one in Calhoun county, one in Gratiot county, and one in Newaygo county; 12 children, 6 boys and 6 girls.

*Illegitimate.*—One hundred and thirty-seven children,—63 males and 74 females.

*Still-born.*—One hundred and forty-one still-births are reported,—70 males, 48 females, and 23 sex not given. This number, though nearly double the sum of still-births for the two previous years, is yet far from being correct. In the returns of Massachusetts for 1868, three per cent. of the whole number of births were reported as still-births, while, in Michigan, in the returns for 1869, only 0.52 per cent. of the total births are so reported, thus proving beyond all doubt that the returns of Michigan are still incomplete.



Return of still-births made to this office for the period from January 1st to December 31st, 1869, inclusive:

## STILL-BIRTHS.

COUNTIES.	Males.	Females.	Sex not Given.	Total.
Allegan .....	1	--	--	1
Barry .....	7	1	--	8
Berrien .....	--	--	1	1
Branch .....	--	1	--	1
Calhoun .....	3	1	6	10
Cass .....	--	3	2	5
Clinton .....	--	1	--	1
Eaton .....	--	2	--	2
Genesee .....	2	--	--	2
Gratiot .....	--	4	--	4
Houghton .....	1	--	--	1
Ingham .....	2	2	--	4
Ionia .....	3	--	--	3
Isabella .....	--	1	--	1
Kalamazoo .....	--	1	6	7
Kent .....	7	3	3	13
Lapeer .....	2	--	--	2
Leelanaw .....	1	1	--	2
Livingston .....	2	--	--	2
Macomb .....	1	1	--	2
Manistec .....	1	--	--	1
Menominee .....	--	--	1	1
Monroe .....	3	1	--	4
Oakland .....	2	--	--	2
Ontonagon .....	--	1	--	1
Osceola .....	1	--	--	1
Ottawa .....	4	2	--	6
Saginaw .....	5	8	2	15
Shiawassee .....	1	1	1	3
St. Clair .....	2	2	--	4
St. Joseph .....	2	--	--	2
Tuscola .....	--	--	1	1
Van Buren .....	1	2	--	3
Washtenaw .....	2	--	--	2
Wayne .....	14	9	--	23
State .....	70	48	23	141

*TABLE, showing, by Counties, the number of Children born of races other than White, from January 1st to December 31st, 1869:*

COUNTIES.	AFRICAN.		INDIAN.		Total.
	Males.	Females.	Males.	Females.	
Allegan .....	7	3	--	--	10
Alpena .....	--	--	2	--	2
Barry .....	1	1	--	--	2
Berrien .....	5	6	--	--	11
Calhoun .....	6	4	--	--	10
Cass .....	23	20	1	1	45
Cheboygan .....	--	1	3	--	4
Clinton .....	--	1	--	--	1
Eaton .....	--	1	--	--	1
Emmet .....	--	--	24	27	51
Genesee .....	--	1	1	--	2
Gratiot .....	--	1	--	--	1
Houghton .....	1	--	--	--	1
Kalamazoo .....	3	4	--	--	7
Lapeer .....	--	1	--	--	1
Leelanaw .....	7	5	--	1	13
Livingston .....	--	1	--	--	1
Manistee .....	--	1	--	--	1
Monroe .....	--	1	--	--	1
Muskegon .....	1	--	--	--	1
Newaygo .....	--	--	1	--	1
Oakland .....	2	2	--	--	4
Oceana .....	--	--	5	1	6
Saginaw .....	2	--	2	2	6
St. Joseph .....	1	--	--	--	1
Van Buren .....	4	8	1	--	13
Washtenaw .....	3	8	--	--	11
Wayne .....	11	5	--	--	16
Total .....	77	75	40	32	224

## TWINS.

*Analysis, by Counties, of the Birthplaces of the Parents of Twins, and the several occupations of their Fathers, according to the returns.*

*Allegan*—Nine American, 1 Canadian, 1 American father and English mother, 1 German father and Irish mother, 1 Canadian father and American mother. Eleven fathers are farmers, one mechanic, one carpenter. Total, 13 pairs, or 26 children.

*Alpena*—Two Canadian. One father a farmer, and one a laborer. Total, 2 pairs, or 4 children.

*Antrim*—One American. Father a farmer. Total, 1 pair, or 2 children.

*Barry*—Three American, 1 German, 1 Canadian, 1 American father and English mother, 2 Canadian father and American mother, 1 parents unknown. Eight fathers are farmers, and one a shoemaker. Total, 9 pairs, or 18 children.

*Bay*—Three American, 3 Canadian, 1 German, 1 English father and German mother, 1 American father and English mother, 1 German father and unknown mother. Five fathers are farmers, 3 laborers, 1 a brickmaker, and 1 a shoemaker. Total, 10 pairs, or 20 children.

*Berrien*—One American, 1 Canadian, 1 German. One father is a farmer, 1 a laborer, and 1 a mechanic. Total, 3 pairs, or 6 children.

*Branch*—Three Irish, and 1 American. Three fathers are farmers, and 1 a tailor. Total, 4 pairs, or 8 children.

*Calhoun*—Five Americans, 1 English, 2 German, 1 Irish, 1 Canadian father and American mother, 1 Irish father and American mother, 1 English father and American mother. Eight fathers are farmers, 1 blacksmith, 1 clerk, 1 boiler-maker, 1 merchant. Total, 12 pairs, or 24 children.

*Cass*—Six American. All the fathers are farmers. Total, 6 pairs, or 12 children.

*Clinton*—Seven American. Four fathers are farmers, 2 mechanics, and 1 merchant. Total, 7 pairs, or 14 children.

*Eaton*—Ten American, 1 Canadian, 1 Canadian father and American mother, and 1 German father and American mother. Nine fathers were farmers, 1 laborer, 1 blacksmith, 1 boot and shoemaker, and 1 tinner. Total, 13 pairs, or 26 children.

*Genesee*—Fourteen American, 1 English, 1 Canadian father and Irish mother, 1 French father and American mother. Twelve fathers are farmers, 1 joiner, 1 clerk, 1 miller, 1 tanner, 1 dentist. Total, 17 pairs, or 34 children.

*Grand Traverse*—One Canadian father and American mother, 1 American father and Irish mother, and 1 unknown. Two fathers are farmers, 1 unknown. Total, 3 pairs, or 6 children.

*Gratiot*—Two American, 1 American father and Canadian mother, and 1 American father and unknown mother. Fathers are all farmers. Total, 4 pairs, or 8 children.

*Hillsdale*—Six American. Five fathers are farmers, and 1 a laborer. Total, 6 pairs, or 12 children.

*Houghton*—Six Irish, 1 German, 1 English. Two fathers are laborers, 3 miners, 1 blacksmith, 1 carpenter, 1 overseer. Total, 8 pairs, or 16 children.

*Ingham*—Seven American. Four fathers are farmers, 1 painter, 1 miller, 1 horse farrier. Total, 7 pairs, or 14 children.

*Ionia*—Eight American, and 1 Irish. Six fathers are farmers, and 3 laborers. Total, 9 pairs, or 18 children.

*Iosco*—Father Canadian and mother unknown. Total, 1 pair, or 2 children.

*Isabella*—One American. Father a farmer. Total, 1 pair, or 2 children.

*Jackson*—Four American, 1 American father and Canadian mother, and 1 Irish father and American mother. Two fathers are farmers, 2 mechanics, 1 grocer, and 1 laborer. Total, 6 pairs, or 12 children.

*Kalamazoo*—Eight American, and 1 Canadian father and

American mother. Five fathers are farmers, 1 merchant, 1 hardware dealer, 1 carpenter, and 1 unknown. Total, 9 pairs, or 18 children.

*Kent*—Three American, 1 Irish, 1 Danish, 1 German father and unknown mother, 1 American father and Canadian mother, 1 unknown. Seven fathers are farmers, and 1 a saloon-keeper. Total, 8 pairs, or 16 children.

*Lapeer*—Six American, 2 German father and American mother, and 1 Canadian. Six fathers are farmers, 1 cooper, 1 miller, 1 carpenter. Total, 8 pairs, or 16 children.

*Leelanaw*—One Bohemian. Father a farmer. Total, 1 pair, or 2 children.

*Lenaawee*—Seven American, 1 German, 1 Swede, 1 Canadian father and Irish mother, 1 Scotch father and Irish mother. Four fathers are farmers, 2 laborers, 1 engineer, 1 teamster, 1 carpenter, 1 clerk, 1 blacksmith. Total, eleven pairs, or 22 children.

*Livingston*—Three American, and 1 American father and unknown mother. Three fathers are farmers, and 1 a manufacturer. Total, 4 pairs, or eight children.

*Macomb*—One American, 1 German, and 1 Canadian father and American mother. One father is a farmer, 1 laborer, and 1 builder. Total, 3 pairs, or 6 children.

*Manistee*—One American. Father a farmer. Total, 1 pair, or 2 children.

*Marquette*—One Scotch father and Canadian mother. Father a farmer. Total, 1 pair, or 2 children.

*Mason*—One English. Father a farmer. Total, 1 pair, or 2 children.

*Mecosta*—One Canadian father and American mother. Father a farmer. Total, 1 pair, or 2 children.

*Midland*—One American. Father a farmer. Total, 1 pair, or 2 children.

*Monroe*—Two American, and 1 American father and Canadian mother. Fathers all farmers. Total, 3 pairs, or 6 children.

*Montcalm*—One Danish. Father a farmer. Total, 1 pair, or 2 children.

*Muskegon*—One German, 2 American, 1 Hollander, 1 Norwegian, 1 father Prince Edward Islander and mother American. One father is a farmer, 1 carpenter, 1 painter, 1 saloon-keeper, and 1 laborer. Total, 6 pairs, or 12 children.

*Newaygo*—Three American, and 1 Canadian. Fathers all farmers. Total, 4 pairs, or 8 children.

*Oakland*—Three American, 1 German, 1 Irish, 1 English father and Canadian mother, and 1 Scotch father and Canadian mother. Six fathers are farmers, and one unknown. Total, 7 pairs, or 14 children.

*Oceana*—Three American. Two fathers are farmers, and 1 attorney. Total 3 pairs, or 6 children.

*Ontonagon*—One Irish, and 1 Canadian father and American mother. One father a miner, and one a carpenter. Total, 2 pairs, or 4 children.

*Osceola*—One German, and 1 American father and Canadian mother. Fathers are farmers. Total, 2 pairs, or four children.

*Ottawa*—Three American, and one Netherlander. Two fathers are farmers, 1 wheelwright, and 1 master of propeller. Total, 4 pairs, or 8 children.

*Saginaw*—One American, 4 German, 1 Scotch, 1 Bavarian, 1 Irish father and American mother, 1 American father and unknown mother, and 1 Scotch father and English mother. Four fathers are farmers, 3 laborers, 1 shoemaker, 1 saloon-keeper, and 1 teamster. Total, 10 pairs, or 20 children.

*Sanilac*—One Irish, 1 Canadian father and English mother, 1 Canadian, 1 Canadian father and American mother, and 1 American father and Canadian mother. Four fathers are farmers, and 1 a blacksmith. Total, 5 pairs, or 10 children.

*Shiawassee*—Seven American, and 1 Irish. Six fathers are farmers, 1 laborer and 1 blacksmith. Total, 8 pairs, or 16 children.

*St. Clair*—Three American, 3 Canadian, 1 Irish, 2 Canadian

father and American mother, and 1 Irish father and Canadian mother. Six fathers are farmers, 3 laborers, and 1 Justice of the Peace. Total, 10 pairs, or 20 children.

*St. Joseph*—Nine American, and 1 German. Six fathers are farmers, 1 cooper, 1 lumberman, 1 tailor, and 1 laborer. Total, 10 pairs, or 20 children.

*Tuscola*—One German, and 1 American father and Irish mother. Fathers are farmers. Total, 2 pairs, or 4 children.

*Van Buren*—Five American, 2 American father and Canadian mother, and 1 unknown. Seven fathers are farmers, and 1 mason. Total, 8 pairs, or 16 children.

*Washtenaw*—One American, and 1 Irish. One father is a laborer, and 1 manufacturer. Total, 2 pairs, or 4 children.

*Wayne*—Seven American, 1 Canadian, 3 German, 3 Irish, 1 Prussian, 1 Bohemian father and Prussian mother, 1 Swiss father and Bavarian mother, and 1 unknown. Four fathers are laborers, 1 farmer, 2 cabinet-makers, 1 peddler, 1 doctor, 1 gardener, 1 miller, 1 tinsmith, 1 clerk, 1 mason, 1 salesman, 1 carpenter, 1 brewer, and 1 unknown. Total, 18 pairs, or 36 children.

#### TRIPLETS.

Four sets of triplets are returned, viz:

1. Three boys, born in Baltimore, Barry county, Michigan, August 23, 1869. Father and mother natives of Ohio. Father a farmer.

2. Two boys and one girl, born in Emmet, Calhoun county, May 5, 1869. Father an Indian and a cooper. Mother a New Yorker.

3. Three girls, born in North Star, Gratiot county, March 9, 1869. Father an Englishman and a farmer. Mother an American.

4. One boy and two girls, born in Sheridan, Newaygo county, June 6, 1869. Father a Pennsylvanian and a farmer. Mother a native of Ohio.

## ILLEGITIMATE CHILDREN.

*Analysis, by Counties, of the Birthplaces of the Parents of Illegitimate Children, according to the Returns.*

*Allegan*—Three children; 1 American, 1 father unknown and American mother, 1 father unknown and Canadian mother.

*Alpena*—One child. Parents Canadians.

*Berrien*—Five children; 4 American, and 1 father unknown and American mother.

*Branch*—One child; father unknown and Irish mother.

*Calhoun*—Seven children; 1 American, 5 fathers unknown and mothers American, and 1 German father and American mother.

*Cass*—One child; father unknown and American mother.

*Emmet*—Ten children; all Indians.

*Houghton*—Two children; mothers, 1 Irish and 1 English. Fathers unknown.

*Huron*—Two children; 1 Canadian, and 1 father unknown and Canadian mother.

*Ingham*—Three children; 1 American, 2 fathers unknown and American mothers.

*Ionia*—Two children; 1 unknown father and American mother, and 1 parents unknown.

*Iosco*—One child; parents unknown.

*Isabella*—Two children; fathers unknown and American mothers.

*Jackson*—One child; father unknown and American mother.

*Kalamazoo*—Three children; 2 American, 1 father unknown and American mother.

*Kent*—Four children; 4 unknown fathers and American mothers.

*Lenawee*—Eight children; 3 American, 2 fathers unknown and American mothers, 1 father unknown and German mother, and 2 unknown.

*Livingston*—One child; American father and unknown mother.



*Macomb*—Three children; 1 American. and 2 unknown fathers and German mothers.

*Mecosta*—One child; Canadian.

*Midland*—Two children; 1 unknown father and English mother, and 1 American.

*Monroe*—Four children; 2 American, and 2 unknown.

*Montcalm*—One child; parents unknown.

*Oakland*—Seven children; 1 unknown father and American mother, and 6 unknown.

*Oceana*—Two children: unknown fathers and German mothers.

*Ontonagon*—One child; father unknown and American mother.

*Ottawa*—Three children; 1 American, 1 father unknown and American mother, and 1 father unknown and mother a Hollander.

*Saginaw*—Eight children; 1 English father and American mother, 1 father unknown and German mother, 2 fathers unknown and American mothers, 1 father American and mother unknown, and four unknown.

*Sanilac*—One child; father unknown and Canadian mother.

*Shiawassee*—One child; father unknown and American mother.

*St. Clair*—One child; father unknown and Canadian mother.

*St. Joseph*—Six children; 4 American, and 1 pair of twins, father unknown and mother American.

*Washtenaw*—Seven children; 3 American, 2 unknown father and American mother, 1 American father and unknown mother, and 1 unknown.

*Wayne*—Twenty children; 1 American, 1 Canadian, 1 German, 1 Polander, 7 unknown father and Canadian mother, 4 unknown fathers and American mothers, 1 Canadian father and American mother, 1 unknown father and Prussian mother, and 2 unknown.

*Wexford*—One child; American.

## BIRTHS FOR SPECIFIED PERIODS.

Quarter ending March, 1869.....	5,415
“ “ June, 1869.....	6,348
“ “ September, 1869.....	7,879
“ “ December, 1869.....	7,381

The month of August has the largest number of births for one month, 2,731; and the month of January the least, 1,658.

The percentage of the parents of children born, is:

American .....	48.20
Foreign .....	29.69
American father and foreign mother.....	4.49
Foreign father and American mother.....	7.03
Unknown nativity of parents.....	10.59

Compared with the reports for the last two years, the proportion of American births is 4.01 per cent less than 1868, and 10.08 per cent less than 1867. The proportion of foreign births is 4.36 per cent less than in 1868, and 3.42 per cent greater than in 1867. The proportion of American fathers and foreign mothers is 0.07 per cent greater than 1868, and 0.01 per cent less than 1867. The proportion of foreign fathers and American mothers is 0.24 per cent less than 1868, and 0.12 per cent less than 1867. And the proportion of those whose nativity is unknown is 8.54 per cent greater than 1868, and 6.79 per cent greater than 1867.

From the above it appears that the percentage of American births, as compared with the whole number of births in the State, is gradually decreasing. Of the 7,199 births reported for the counties of Houghton, Ottawa, Saginaw, Sanilac, St. Clair, and Wayne, 59.57 per cent. were foreign, making a larger number of foreign births for these six counties than for any other twelve counties in the State.

The proportion of births to the total population, according to the census of 1870, is nearly 1 to 44.

The proportion of triplets to the whole number of children born in Michigan is 1 to 2251 $\frac{1}{2}$ .

The proportion of twins to the whole number is about 1 to 89.

The proportion of illegitimate to the whole number is nearly 1 to 198.

The proportion of African children to the whole number of children born is about 1 to 178.

The proportion of Indian children to the whole number is 1 to 376 7-24.

TABLE

*Percentage of Births by Counties and State to Population of Counties and State.*

COUNTIES.	Total Births.	Total Population.	Per Cent of Births to Population.
Alcona.....	4	760	0.58
Allegan.....	668	32,151	2.15
Alpena.....	84	3,111	2.70
Antrim.....	56	2,409	2.32
Barry.....	542	22,070	2.46
Bay.....	264	15,900	1.66
Benzie.....	21	2,184	0.96
Berrien.....	642	35,010	1.83
Branch.....	529	26,244	2.01
Calhoun.....	786	36,172	2.06
Cass.....	524	21,097	2.48
Charlevoix.....	41	1,724	2.37
Cheboygan.....	54	2,197	2.45
Chippewa.....	.....	1,690	.....
Clinton.....	669	22,886	2.74
Delta.....	.....	2,441	.....
Eaton.....	625	25,190	2.48
Emmet.....	68	1,211	5.59
Genesee.....	708	38,910	2.07
Grand Traverse.....	182	4,448	2.97
Gratiot.....	280	17,359	1.56
Hilledale.....	692	31,705	2.18
Houghton.....	522	18,905	2.75
Huron.....	240	9,058	2.65
Ingham.....	548	25,281	2.14
Ionia.....	617	27,676	2.19
Iosco.....	51	3,167	1.61
Isabella.....	118	4,479	2.52
Jackson.....	667	36,082	1.84
Kalamazoo.....	739	32,068	2.30
Kent.....	1,007	50,880	2.31
Keweenaw.....	.....	4,206	.....
Lapeer.....	408	21,355	1.91
Leelanaw.....	188	4,576	2.99
Lenawee.....	744	45,685	1.63
Livingston.....	444	19,889	2.23
Mackinac.....	.....	1,716	.....
Macomb.....	662	27,617	2.39

TABLE—CONTINUED.

COUNTIES.	Total Births.	Total Population.	Per Cent. of Births to Population.
Manistee.....	161	6,074	2.65
Manitou.....	—	891	—
Marquette.....	397	14,982	2.04
Mason.....	69	3,266	2.11
Mecosta.....	180	5,645	2.39
Menominee.....	42	1,898	2.21
Midland.....	93	3,321	2.80
Monroe.....	695	27,436	2.55
Montcalm.....	259	13,561	1.90
Muskegon.....	399	14,899	2.68
Newaygo.....	208	7,294	2.78
Oakland.....	706	40,898	1.72
Oceana.....	188	7,222	2.60
Ontonagon.....	117	2,895	4.04
Oscoda.....	75	2,658	2.82
Ottawa.....	681	26,658	2.55
Saginaw.....	1,080	38,902	2.77
Sanilac.....	840	14,564	2.32
Shiawassee.....	523	20,856	2.50
St. Clair.....	872	36,887	2.37
St. Joseph.....	519	26,000	1.90
Tuscola.....	292	18,715	2.13
Van Buren.....	605	28,338	2.08
Washtenaw.....	711	41,449	1.71
Wayne.....	3,704	119,085	3.11
Wexford.....	19	740	2.50
State.....	27,068	1,190,187	2.29

TABLE I.—BIRTHS.

*Births by Counties. Percentage of Males to Females.*

COUNTIES.	Males, Per Cent.	Females, Per Cent.	No. of Males to 100 Fe- males.
Alcona.....	25.00	75.00	83
Allegan.....	56.81	43.09	129
Alpena.....	50.00	50.00	100
Antrim.....	60.71	39.29	159
Barry.....	55.09	44.91	116
Bay.....	48.86	51.14	95
Benzie.....	55.00	45.00	122
Berrien.....	58.28	41.72	114
Branch.....	51.52	48.48	106
Calhoun.....	50.20	49.80	109
Cass.....	52.50	47.50	110
Charlevoix.....	46.84	53.16	86
Cheboygan.....	51.85	48.15	107
Chippewa.....	.....	.....	...
Clinton.....	51.56	48.44	106
Delta.....	.....	.....	...
Eaton.....	55.91	44.09	88
Emmet.....	46.68	53.32	88
Genesee.....	50.48	49.52	101
Grand Traverse.....	60.00	40.00	150
Gratiot.....	55.04	44.96	122
Hillsdale.....	49.71	50.29	98
Houghton.....	51.28	48.72	106
Huron.....	47.92	52.08	92
Ingham.....	55.02	44.98	125
Ionia.....	55.61	44.39	108
Iosco.....	54.90	45.10	121
Isabella.....	54.87	45.13	121
Jackson.....	58.92	41.08	116
Kalamazoo.....	54.59	45.41	120
Kent.....	51.54	48.46	106
Keweenaw.....	.....	.....	...
Lapeer.....	50.98	49.02	104
Leelanaw.....	58.88	41.12	131
Lenawee.....	47.78	52.22	91
Livingston.....	52.25	47.75	109
Mackinac.....	.....	.....	...
Macomb.....	54.08	45.92	117

TABLE I—CONTINUED.

COUNTIES.	Males, Per Cent.	Females, Per Cent.	No. of Males to 100 Fe- males.
Manistee.....	58.42	46.56	114
Manitou.....	.....	.....	.....
Marquette.....	56.98	48.07	182
Mason.....	50.72	49.28	102
Mecosta.....	48.46	51.50	94
Menominee.....	54.76	45.24	121
Midland.....	52.69	47.31	111
Monroe.....	50.65	49.35	106
Montcalm.....	54.82	45.18	121
Muskegon.....	46.71	53.21	166
Newaygo.....	55.66	44.34	125
Oakland.....	52.56	47.44	110
Oceana.....	56.39	41.61	189
Ontonagon.....	48.73	51.27	90
Osceola.....	48.00	52.00	75
Ottawa.....	51.88	48.02	105
Saginaw.....	50.69	49.31	102
Sanilac.....	54.57	45.43	120
Shiawassee.....	54.89	45.11	121
St. Clair.....	52.07	47.93	108
St. Joseph.....	37.88	62.17	110
Tuscola.....	50.17	49.83	100
Van Buren.....	52.07	47.93	108
Washtenaw.....	49.79	50.21	96
Wayne.....	51.93	48.07	108
Wexford.....	52.68	47.37	111

TABLE II—BIRTHS.

*Exhibiting the Sex, condition (as twin or illegitimate), and Parentage of Children born in the several Counties during the period from Jan. 1st to December 31st, 1869, inclusive.*

COUNTIES.	Number of Births.	SEX.			CONDITION.				NATIVITY OF PARENTS.				
		Males.	Females.	Unknown.	Twins.		Illeg.		American.	Foreign.	Am. Pa. For. Mo.	For. Pa. Am. Mo.	Unknown.
					Males.	Fem.	Males.	Fem.					
Alcona.....	4	1	3						1		2	1	
Allegan.....	693	367	287	4	13	9	2	1	389	208	22	38	41
Alpena.....	84	35	42		4		1		20	59		5	
Antrim.....	56	34	20			2			29	17	5	5	
Barry.....	542	279	236		11	10	1	8	379	61	26	62	14
Bay.....	264	120	124		9	11			92	122	16	22	12
Benzie.....	21	11	9	1					18	5		3	
Berrien.....	642	333	286	3	2	4	2	8	432	182	23	43	7
Branch.....	529	266	238	1	5	3	1		418	37	17	27	30
Calhoun.....	736	346	345	1	15	12	3	5	507	112	34	50	33
Cass.....	524	241	219	6	7	5		1	433	29	18	30	19
Charlevoix.....	41	19	22						17	14	6	4	
Cheboygan.....	54	25	25						18	21	2	8	5
*Chippewa.....													
Clinton.....	639	319	308		10	6			414	103	39	56	25
*Delta.....													
Eaton.....	625	283	314	1	10	16			519	28	23	33	22
Emmet.....	63	1	1				4	6	55	1	1	4	2
Genesee.....	708	335	331	1	17	13	1	1	445	110	36	61	51
Grand Travi.....	132	72	52	2	6				58	37	12	16	9
Gratiot.....	290	151	115	2	2	9			196	23	13	25	23
Hilledale.....	692	333	342		6	6			582	51	16	35	8
Houghton.....	522	263	235		8	8	2		37	473	3	6	3
Huron.....	240	113	125				2		24	177	15	23	1
Ingham.....	543	293	233		8	6	1	2	420	52	22	40	9
Ionia.....	617	305	292		9	9		2	423	73	32	62	23
Iosco.....	51	26	22		2		1		7	8	4	5	27
Isabella.....	113	60	49		1	1	1	1	55	10	5	10	33
Jackson.....	667	349	302	3	9	3		1	422	123	32	61	29
Kalamazoo.....	739	334	317	10	10	8	1	2	439	164	23	65	43
Kent.....	1007	502	480	2	12	6	4	1	427	156	47	69	307
*Keweenaw.....													
Lapeer.....	403	200	199		8	10			200	30	41	54	33
Leelanaw.....	133	66	51	1	2				46	67	8	3	4

\* Not returned.



TABLE II—CONTINUED.

COUNTIES.	Number of Births.	SEX.			CONDITION.				NATIVITY OF PARENTS.				
		Males.	Females.	Unknown.	Twins.		Illeg.		American.	Foreign.	Am. Pa. For. Mo.	For. Pa. Am. Mo.	Unknown.
					Males.	Fem.	Males.	Fem.					
Lenawee.....	744	341	372	1	11	11	3	5	451	128	32	46	67
Livingston....	444	228	206	..	3	5	1	..	275	65	14	36	54
*Mackinac.....	..	..	..	..	..	..	..	..	..	..	..	..	..
Macomb.....	662	355	298	..	2	4	1	2	282	260	50	50	2
Manistee.....	161	83	73	..	3	1	..	..	81	48	7	11	..
*Manitou.....	..	..	..	..	..	..	..	..	..	..	..	..	..
Marquette....	397	224	170	..	1	1	1	..	14	10	3	9	361
Mason.....	69	34	33	..	1	1	..	..	37	20	3	7	2
Mecosta.....	180	60	66	..	1	1	2	..	67	30	10	14	9
Menominee....	42	23	19	..	..	..	..	..	11	19	2	9	1
Midland.....	96	45	44	..	2	..	2	..	52	18	7	4	12
Monroe.....	665	357	323	4	3	3	..	4	359	151	50	49	86
Montcalm....	259	141	115	..	1	1	..	1	171	46	14	13	15
Muskegon.....	399	179	206	1	6	6	..	..	125	94	18	46	116
Newaygo.....	203	104	87	..	8	3	..	..	121	27	6	19	26
Oakland.....	706	355	324	2	10	4	3	4	308	81	58	42	223
Oceana.....	188	101	72	1	2	4	1	1	115	27	16	16	14
Ontonagon....	117	55	57	..	2	2	..	1	8	102	1	3	3
Osceola.....	75	32	39	..	2	2	..	..	30	34	4	7	..
Ottawa.....	681	343	327	..	7	1	..	3	167	359	24	39	92
Saginaw.....	1060	529	515	1	8	12	6	3	143	266	45	74	532
Sanilac.....	340	180	148	1	4	6	1	..	36	246	25	33	..
Shiawassee....	522	281	223	1	4	12	1	..	319	98	32	47	31
St. Clair.....	372	442	407	2	11	9	..	1	164	521	76	102	9
St. Joseph....	519	259	233	..	11	9	1	5	397	76	12	23	6
Tuscola.....	292	144	143	1	2	2	..	..	129	62	18	36	47
Van Buren....	605	300	276	..	10	6	..	..	406	55	19	41	34
Washtenaw...	711	348	341	..	3	1	..	7	336	217	43	56	54
Wayne.....	3704	1879	1738	12	15	23	14	7	978	2424	90	119	98
Wexford.....	19	9	9	..	..	..	1	..	16	..	..	2	1
State.....	27,093	13,572	12,488	64	319	289	63	74	13,060	8,043	1,219	1,904	2,367

\* Not returned.

# TABLE III.—BIRTHS.

*Exhibiting, by Counties, the number of Children born in each Month during the period from January 1st to December 31st, 1869, inclusive.*

COUNTIES.	MONTHS.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Alcona.....	1	1	1	...	...	1	...	...	...	...	1	...
Allegan.....	49	41	49	45	63	57	66	59	94	56	54	59
Alpena.....	6	4	8	8	8	7	12	19	2	8	13	13
Antrim.....	5	2	8	6	8	6	4	6	2	7	2	5
Barry.....	85	83	80	83	47	85	50	60	49	55	55	56
Bay.....	20	7	26	18	22	19	24	81	25	23	24	25
Benzie.....	2	2	1	1	1	1	...	4	1	4	3	...
Berrien.....	39	45	54	41	53	43	59	77	67	60	57	43
Branch.....	34	23	60	61	36	32	47	48	43	51	47	46
Calhoun.....	39	41	54	54	53	57	53	87	70	73	71	72
Cass.....	26	32	31	40	41	50	52	55	56	51	53	36
Charlevoix.....	2	2	3	...	4	6	4	7	8	4	2	5
Unknown.	...	...	...	...	...	...	...	...	...	...	...	...



# BIRTHS.

35

Jackson.....	30	50	49	60	63	59	70	47	66	74	53	64	1
Kalamazoo.....	50	48	62	49	55	61	72	66	75	75	58	60	3
Kent.....	64	62	60	63	84	97	101	92	121	82	100	79	4
Lapeer.....	29	25	28	25	38	28	44	48	46	82	36	39	...
Leelanaw.....	10	7	8	17	15	10	12	12	11	11	5	15	...
Lenawee.....	38	54	44	59	58	58	66	76	84	66	64	76	1
Livingston.....	25	32	32	29	84	29	58	48	47	41	47	81	1
Macomb.....	48	52	47	40	58	58	64	59	67	45	64	60	...
Manistee.....	11	9	21	10	17	10	18	14	18	18	7	18	...
Marquette.....	13	28	24	30	43	37	37	41	40	25	44	30	1
Mason.....	8	8	5	9	7	5	5	12	10	5	4	8	...
Meosia.....	8	7	10	14	11	6	21	11	13	11	10	18	...
Menominee.....	1	2	3	6	8	7	8	8	1	....	8	5	...
Midland.....	9	6	7	4	13	5	11	7	7	9	10	6	...
Monroe.....	46	58	58	86	58	53	62	67	70	68	56	63	1
Montcalm.....	16	13	19	18	28	15	34	24	22	23	25	23	...
Muskegon.....	28	30	33	33	22	21	36	50	50	31	35	31	...
Newaygo.....	14	19	10	14	22	18	15	20	26	14	10	19	2
Oakland.....	19	54	55	68	48	58	75	73	75	60	46	61	5
Oceana.....	10	13	19	12	13	23	11	21	19	16	19	15	...
Ontonagon.....	8	10	5	7	17	15	10	7	9	9	9	11	...
Oscoda.....	9	6	6	6	9	4	7	8	4	9	2	5	...

### THIRD REGISTRATION REPORT.

**TABLE III—CONTINUED.**

COUNTIES.	MONTHS.												
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Ottawa.....	87	56	64	44	46	60	59	73	68	69	49	59	1
Saginaw.....	59	80	76	72	89	83	96	101	105	105	103	106	1
Sanilac.....	17	18	27	38	26	27	24	37	31	33	26	32	.....
Shawassee.....	28	23	23	38	46	49	56	69	46	41	51	47	.....
St. Clair.....	64	64	68	70	66	60	69	85	83	77	90	78	3
St. Joseph.....	30	30	44	39	33	43	53	49	52	39	54	46	.....
Tuscola.....	13	23	23	20	19	32	35	33	33	20	20	17	.....
Van Buren.....	30	33	35	47	53	53	49	47	69	61	66	52	.....
Washtenaw.....	45	60	53	59	56	43	53	73	65	66	69	62	.....
Wayne.....	233	293	313	291	270	223	303	337	315	366	303	420	27
Wexford.....	.....	1	.....	.....	6	1	2	2	5	1	.....	1	.....
State.....	1,658	1,752	2,005	2,043	2,221	2,036	2,406	2,731	3,633	3,508	2,361	3,513	66

## MARRIAGES.

---

The number of marriages from January 1st to December 31st, 1869, was 8,459, or 16,918 persons married. Four thousand nine hundred and forty-nine couples were born in the United States; 1,620 couples were born in various foreign countries; 506 couples were American male and foreign female; 895 couples were foreign male and American female, and 489 couples whose nativity was not stated in the returns.

Seventy-four African and 33 Indian couples were married.

Four thousand three hundred and ninety persons were married under 21 years of age, as follows:

Three hundred and four males aged 20; 136 males aged 19; 51 males aged 18; 10 males aged 17, and 1 male aged 16. Total, 502.

Eight hundred females aged 20; 880 females aged 19; 960 females aged 18; 676 females aged 17; 462 females aged 16; 87 females aged 15; 21 females aged 14; 2 females aged 13, and 1 female aged 10. Total, 3,889.

The largest number of persons (6,490) were married between the ages of 20 and 25; the second greater number (3,522) between the ages of 25 and 30; and 3,471 were married under 20 years of age. The oldest couple married was composed of a farmer aged 72, and a woman aged 80. The youngest couple, a young man aged 22, and a girl aged 10.

The greatest monthly return of marriages was for January, —810; the least number for December,—563.

The number of marriages for each quarter is as follows:

Quarter ending March, 1869.....	2,167
“ “ June, 1869.....	2,097
“ “ September, 1869.....	2,154
“ “ December, 1869.....	2,024
Date of marriage not stated.....	17

The following is the percentage of nativities of persons married, viz:

American.....	58.51
Foreign.....	19.15
American male and foreign female.....	5.98
Foreign male and American female.....	10.58
Nativity unknown.....	5.78

The number of Indians married in proportion to the whole number of marriages is as 1 to 256 $\frac{1}{4}$ .

The number of Africans married, in proportion to all marriages, is nearly 1 to 115.

The following analysis shows the percentage of persons married at certain periods of life, including both sexes:

Under 20 years.....	20.527
From 20 to 25 years.....	38.362
“ 25 to 30 “.....	20.818
“ 30 to 35 “.....	7.678
“ 35 to 40 “.....	4.102
“ 40 to 45 “.....	2.293
“ 45 to 50 “.....	1.714
“ 50 to 55 “.....	1.099
“ 55 to 60 “.....	.715
“ 60 to 65 “.....	.437
“ 65 to 70 “.....	.218
“ 70 to 75 “.....	.124
“ 75 to 80 “.....	.047
Over 80 years.....	.004
Unknown ages.....	1.862

Among the remarkable features in the returns of marriages is the difference shown in the ages of the parties joined. Below is given a synopsis of the marriages exhibiting the greatest disparity in age, also showing the occupation of the bridegroom:

*Allegan*—Man aged 72, chairmaker, married to woman aged 60

*Alpena*—Man 31, lumberman, woman 40.

*Barry*—Man 76, unknown, woman 36.

*Bay*—Man 65, laborer, woman 63.

*Berrien*—Boy 17, farmer, girl 19.

*Branch*—Boy 18, farmer, girl 17.

*Calhoun*—Boy 18, farmer, girl 16.

*Cass*—Boy 17, farmer, girl 16.

*Clinton*—Man 64, farmer, woman 54.

*Eaton*—Man 22, mason, girl 10.

*Enmet*—Boy 19, laborer, girl 18.

*Genesee*—Boy 19, laborer, girl 16.

*Grand Traverse*—Man 63, farmer, woman 53.

*Gratiot*—Man 66, farmer, woman 51.

*Hillsdale*—Man 38, clerk, woman 69.

*Houghton*—Man 24, miner, woman 30.

*Huron*—Man 56, minister of the gospel, woman 53.

*Ingham*—Boy 19, farmer, woman 25.

*Ionia*—Man 70, blacksmith, woman 70.

*Iosco*—Boy 19, sailor, girl 17.

*Isabella*—Boy 17, farmer, woman 25.

*Jackson*—Man 67, merchant, woman 52.

*Kalamazoo*—Boy 20, farmer, woman 47.

*Kent*—Man 49, farmer, woman 78.

*Lapeer*—Boy 17, farmer, girl 14.

*Leelanaw*—Boy 20, farmer, girl 14.

*Lenawee*—Man 65, farmer, woman 55.

*Livingston*—Man 72, farmer, woman 80.

*Macomb*—Man 73, farmer, woman 62.

*Manistee*—Boy 18, farmer, girl 16.



- Marquette*—Man 32, laborer, woman 45.  
*Mason*—Man 23, farmer, woman 33.  
*Mecosta*—Boy 16, farmer, girl 16.  
*Midland*—Boy 18, farmer, girl 17.  
*Monroe*—Man 25, laborer, woman 59.  
*Montcalm*—Man 76, farmer, woman 67.  
*Muskegon*—Man 25, farmer, girl 14.  
*Newaygo*—Man 67, farmer, woman 56.  
*Oakland*—Man 38, farmer, woman 60.  
*Oceana*—Man 50, mechanic, girl 19.  
*Ontonagon*—Man 26, sailor, girl 13.  
*Osceola*—Man 29, farmer, girl 17.  
*Ottawa*—Man 50, farmer, girl 17.  
*Saginaw*—Man 71, painter, woman 71.  
*Sanilac*—Man 24, farmer, woman 34.  
*Shiawassee*—Man 66, R. R. employe, woman 24.  
*St. Clair*—Boy 18, farmer, girl 18.  
*St. Joseph*—Man 61, farmer, woman 61.  
*Tuscola*—Man 76, carpenter, woman 24.  
*Van Buren*—Man 67, farmer, woman 72.  
*Washtenaw*—Boy 19, farmer, girl 14.  
*Wayne*—Man 40, unknown, girl 15.  
*Wexford*—Boy 19, farmer, girl 16.

The following comprehensive table exhibits the ages respectively of all the parties married during the time embraced in this report:

AGES OF MALES.	AGES OF FEMALES.															Total Males.
	Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	Over 80.	Unknown.	
Under 20.....	179	87	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	221
20 to 25.....	1,897	1,898	179	90	5	1	1	.....	.....	.....	.....	.....	.....	.....	24	3,560
25 to 30.....	787	1,087	471	73	23	6	2	.....	1	.....	.....	.....	.....	.....	12	2,461
30 to 35.....	164	823	282	124	33	6	2	.....	.....	.....	.....	.....	.....	.....	8	887
35 to 40.....	57	118	111	95	44	19	9	.....	.....	1	.....	.....	.....	.....	1	455
40 to 45.....	13	24	65	41	45	31	18	5	.....	.....	.....	.....	.....	.....	.....	250
45 to 50.....	6	17	32	39	41	30	19	7	3	.....	.....	.....	1	.....	1	196
50 to 55.....	8	8	10	20	30	25	18	12	4	1	.....	.....	.....	.....	.....	131
55 to 60.....	.....	3	4	7	14	11	17	12	8	1	.....	.....	.....	.....	.....	77
60 to 65.....	.....	1	3	1	6	6	6	11	9	9	.....	.....	.....	.....	.....	59
65 to 70.....	.....	1	.....	.....	2	2	6	5	10	4	2	1	1	.....	.....	84
70 to 75.....	.....	.....	.....	1	1	1	2	4	3	4	.....	2	.....	1	.....	10
75 to 80.....	.....	1	.....	.....	.....	1	.....	1	.....	1	3	.....	.....	.....	.....	7
Over 80.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Unknown.....	1	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	135	139
Total Females..	3,107	3,015	1,115	442	243	189	95	57	38	41	5	8	2	1	176	3,450

5.93 per cent of the males, or about 1 in 16, were married under the age of 21 years.

45.98 per cent of the females, or nearly 1 in 2 $\frac{1}{4}$ , were married before reaching the 21st year.

TABLE I.—MARRIAGES.

*Showing, by Counties, the number of Marriages in which the Races of the parties were other than White:*

COUNTIES.	RACES.	
	AFRICAN.	INDIAN.
Allegan.....	2	..
Antrim.....	..	1
Bay.....	..	1
Berrien.....	4	..
Cass.....	12	..
Clinton.....	1	..
Emmet.....	..	12
Genesee.....	1	..
Gratiot.....	1	..
Isabella.....	..	4
Jackson.....	3	..
Kalamazoo.....	8	..
Leelanaw.....	..	12
Lenawee.....	2	..
Livingston.....	1	..
Marquette.....	1	..
Newaygo.....	..	1
Oakland.....	5	..
Oceana.....	..	1
Ottawa.....	1	..
Saginaw.....	2	..
St. Clair.....	1	..
Van Buren.....	1	1
Washtenaw.....	4	..
Wayne.....	24	..
State.....	74	28

TABLE II.

*Exhibiting by Counties and by State, the percentage of Marriages to Population.*

COUNTIES.	Total Marriages.	Total Population.	Percent. of Marriages to Popula'n
Alcona.....	5	760	0.65
Allegan.....	260	82,151	0.80
Alpena.....	43	8,111	1.25
Antrim.....	14	2,409	0.58
Barry.....	140	22,070	0.68
Bay.....	86	15,900	0.54
Benzie.....	12	2,184	0.54
Berrien.....	314	85,010	0.99
Branch.....	285	26,244	0.89
Calhoun.....	164	36,172	0.45
Cass.....	149	21,097	0.70
Charlevoix.....	6	1,724	0.84
Cheboygan.....	15	2,197	0.68
Chippewa.....	.....	1,630	.....
Clinton.....	156	22,856	0.68
Delta.....	.....	2,441	.....
Eaton.....	143	25,190	0.56
Emmet.....	12	1,211	0.99
Genesee.....	248	33,910	0.73
Grand Traverse.....	31	4,443	0.69
Gratiot.....	90	17,859	0.50
Hilledale.....	228	31,705	0.61
Houghton.....	68	18,905	0.45
Huron.....	67	9,058	0.74
Ingham.....	162	25,281	0.66
Ionia.....	206	27,676	0.74
Iosco.....	14	3,167	0.44
Isabella.....	32	4,479	0.71
Jackson.....	286	36,082	0.65
Kalamazoo.....	231	32,068	0.73
Kent.....	505	50,380	1.00

TABLE II—CONTINUED.

COUNTIES.	Total Marriages.	Total Population.	Percent. of Marriages to Popula'n
Keweenaw.....	-----	4,206	-----
Lapeer.....	189	21,855	0.65
Leelanaw.....	42	4,576	0.91
Lenawee.....	325	45,685	0.71
Livingston.....	119	19,889	0.61
Mackinac.....	-----	1,716	-----
Macomb.....	161	27,617	0.58
Manistee.....	68	6,074	1.11
Manitou.....	-----	891	-----
Marquette.....	75	14,982	0.50
Mason.....	27	3,266	0.80
Mecosta.....	74	5,645	1.31
Menominee.....	11	1,898	0.58
Midland.....	27	3,321	0.81
Monroe.....	213	27,436	0.77
Montcalm.....	68	13,561	0.66
Muskegon.....	158	14,899	1.03
Newaygo.....	58	7,394	0.73
Oakland.....	380	40,898	0.90
Oceana.....	64	7,322	0.88
Ontonagon.....	15	2,995	0.59
Osceola.....	15	2,658	0.56
Ottawa.....	177	26,658	0.66
Saginaw.....	192	38,902	0.46
Sanilac.....	91	14,584	0.62
Shiawassee.....	129	20,856	0.61
St. Clair.....	264	36,987	0.71
St. Joseph.....	289	26,669	1.08
Tuscola.....	74	18,715	0.38
Van Buren.....	179	28,983	0.62
Washtenaw.....	300	41,449	0.73
Wayne.....	904	119,065	0.76
Wexford.....	4	740	0.54
State.....	8,459	1,190,187	0.63

TABLE III—MARRIAGES.

*Distinguishing by Counties and by Months, the number of Marriages Registered from January 1st to December 31st, 1869, inclusive.*

COUNTIES.	No. of Marriages.	MONTHS.												
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Alcona.....	5	..	8	..	..	1	1	..	..	..	..	..	..	..
Allegan.....	260	20	25	18	24	22	17	18	11	84	26	21	29	..
Alpena.....	42	1	1	2	5	7	1	5	6	4	2	7	1	..
Antrim.....	14	1	..	8	2	..	1	..	..	1	3	1	2	..
Barry.....	140	18	11	15	9	14	11	8	12	11	9	17	10	..
Bay.....	66	7	2	8	8	13	8	7	6	7	9	12	9	..
Benzie.....	12	..	..	..	..	2	..	5	..	1	..	1	8	..
Berrien.....	314	26	86	82	29	26	23	19	24	80	84	16	18	1
Branch.....	285	80	19	20	13	20	12	24	18	26	26	15	17	..
Calhoun.....	164	28	11	19	16	11	11	8	10	19	12	15	4	..
Cass.....	149	11	18	22	21	9	8	10	18	19	9	7	6	1
Charlevoix.....	6	..	1	..	..	1	..	1	1	1	..	1	..	..
Cheboygan.....	15	2	1	1	1	8	..	1	..	2	..	1	2	1
*Chippewa.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Clinton.....	156	19	17	14	21	7	18	12	11	18	16	9	4	..
*Delta.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eaton.....	143	16	18	16	6	10	14	17	11	12	16	6	6	..
Emmet.....	12	1	4	..	..	..	..	3	1	..	..	2	1	..
Genesee.....	248	28	21	19	26	21	22	21	23	27	21	16	8	..
Gr'd Traverse..	31	4	2	3	4	4	4	2	8	1	2	1	1	..
Gratiot.....	90	12	7	7	4	4	8	8	7	5	12	7	14	..
Hillsdale.....	228	80	81	81	25	18	14	28	14	16	9	5	6	1
Houghton.....	68	6	5	8	4	8	7	5	5	4	9	5	2	..
Huron.....	67	5	4	6	3	7	5	9	5	3	4	7	9	..
Ingham.....	168	11	12	11	15	19	12	14	15	24	18	11	6	..
Ionia.....	206	25	18	21	18	15	15	31	13	17	18	14	11	..

\* Not returned.

TABLE III—CONTINUED.

COUNTIES.	MONTHS.													
	No. of Marriages.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Iosco .....	14	..	1	2	1	1	1	..	1	1	2	2	2	..
Isabella .....	82	4	3	1	1	5	2	2	..	4	5	3	1	1
Jackson .....	236	26	23	21	26	26	13	23	15	13	21	18	9	..
Kalamazoo .....	231	23	21	18	17	26	22	21	20	21	19	16	7	..
Kent .....	505	54	39	40	44	48	45	40	22	36	50	44	42	1
*Keweenaw .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lapeer .....	189	21	7	10	17	15	11	12	10	14	5	12	5	..
Leelanaw .....	42	8	2	1	1	8	8	4	2	2	5	2	4	..
Lenawee .....	325	34	29	36	33	21	33	23	13	29	37	13	12	..
Livingston .....	119	13	12	8	8	8	12	11	13	3	14	12	6	..
*Mackinac .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Macomb .....	161	21	12	21	14	10	15	8	7	16	13	11	11	..
Manistee .....	63	11	..	2	7	12	4	2	7	9	9	4	1	..
*Manitou .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Marquette .....	75	..	1	..	5	5	11	7	16	5	3	12	5	..
Mason .....	27	5	2	3	..	1	1	1	..	5	4	3	2	..
Mecosta .....	74	11	7	8	6	4	7	6	6	1	6	8	4	..
Menominee .....	11	..	..	..	..	2	..	1	2	2	4	..	..	..
Midland .....	27	..	..	3	2	5	..	4	1	3	1	1	5	2
Monroe .....	213	23	9	13	13	13	16	20	14	22	15	33	17	..
Montcalm .....	88	2	7	17	8	7	5	6	5	9	3	6	3	..
Muskegon .....	153	5	11	11	13	13	12	15	16	11	13	14	15	1
Newaygo .....	53	3	4	5	5	4	2	5	5	4	3	3	5	..
Oakland .....	330	13	33	33	26	20	13	35	13	26	34	43	36	..
Oceana .....	64	9	4	8	4	8	2	10	5	5	7	1	1	..
Ontonagon .....	15	1	..	..	1	..	4	3	3	1	..	1	1	..
Osceola .....	15	..	..	..	1	2	1	1	2	3	1	1	3	..
Ottawa .....	177	14	6	12	17	23	15	22	11	19	16	13	4	..
Saginaw .....	152	3	2	3	4	3	5	13	21	20	26	46	31	..

\* Not returned.

TABLE III—CONTINUED.

COUNTIES.	MONTHS.													
	No. of Marriages.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Sanilac.....	91	9	7	9	4	8	9	11	8	17	9	8	2	...
Shiawassee .....	129	19	8	17	10	17	9	7	7	18	12	5	5	...
St. Clair.....	264	17	21	18	21	20	16	23	17	27	22	24	33	...
St. Joseph.....	239	27	19	29	23	27	13	21	20	13	24	27	33	4
Tuscola.....	74	5	5	5	7	2	2	7	16	1	5	8	11	...
Van Buren.....	179	29	10	9	18	17	14	15	25	16	8	11	6	1
Washtenaw.....	300	23	33	21	24	31	20	22	21	27	34	27	16	1
Wayne.....	904	36	51	70	86	108	71	82	77	95	74	60	47	2
Wexford.....	4	..	..	1	..	1	..	1	..	..	1	..	..	...
Total.....	8,450	810	641	716	716	753	623	750	629	775	775	636	563	17





## MARRIAGES.

[illegible]

**• Not returned.**

## THIRD REGISTRATION REPORT.

TABLE IV—CONTINUED.

COUNTIES.	No. Couples.	Nativity.					Ages in Years.															
		American.	Foreign.	Amer. Males and For. Females.	For. Males and For. Females.	Unknown.	Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	Over 80.	Unknown.	
Leelanaw.....	42	18	15	5	4	.....	28	82	18	0	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lenawee.....	325	248	20	11	29	17	136	256	95	42	23	17	11	8	2	6	2	.....	.....	.....	.....	.....
Livingston.....	119	98	9	3	9	5	89	86	54	20	10	6	7	8	5	4	2	1	.....	.....	.....	.....
* Mackinac.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Macomb.....	161	87	45	9	20	.....	53	126	86	25	10	9	1	.....	2	2	2	.....	.....	.....	.....	.....
Manistee.....	68	23	34	4	5	2	22	51	83	20	7	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
* Manitowish.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marquette.....	75	8	61	1	5	.....	29	64	39	12	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mason.....	27	13	7	2	4	1	11	15	14	6	4	1	1	2	.....	.....	.....	.....	.....	.....	.....	.....
Mecosta.....	74	40	7	9	13	5	44	61	26	12	2	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Menominee.....	11	1	2	.....	7	1	3	9	7	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Midland.....	27	15	8	2	6	1	13	20	9	5	1	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Monroe.....	218	129	85	12	25	12	70	168	98	22	23	8	7	2	8	2	1	.....	.....	.....	.....	.....
Montcalm.....	85	55	9	6	11	7	37	60	84	7	11	8	11	8	.....	.....	2	.....	8	.....	.....	.....

# MARRIAGES.

51

Muskegon.....	128	57	51	11	27	7	70	115	64	26	4	6	4	7	1	2	7	1	815
Newaygo.....	58	84	4	6	7	2	87	37	12	9	4	9	1	1	1	1	1	1	8
Oakland.....	380	215	27	17	28	48	111	245	145	58	25	12	15	18	5	1	1	1	21
Oceana.....	64	41	12	8	8	8	86	48	22	8	9	3	4	8	2	2	2	2	8
Ontonagon.....	15	1	10	1	3	3	7	12	5	2	8	1	1	1	1	1	1	1	1
Oscoda.....	15	8	5	1	1	1	8	11	9	1	1	1	1	1	1	1	1	1	1
Ottawa.....	177	56	80	14	21	6	67	111	90	26	23	10	7	8	4	5	1	2	5
Saginaw.....	182	67	75	11	26	8	45	148	102	88	17	7	4	1	1	1	1	2	9
Sanilac.....	91	7	60	14	10	10	48	68	28	16	8	10	8	4	2	1	1	1	1
Shiawassee.....	120	39	5	7	19	9	53	96	45	21	10	9	7	1	2	1	8	1	10
St. Clair.....	264	39	128	39	52	6	109	202	100	48	24	14	10	4	5	3	4	1	4
St. Joseph.....	280	245	18	5	7	14	99	261	116	38	21	7	6	11	8	6	8	1	2
Tuscola.....	74	38	12	11	6	7	40	45	36	12	8	2	1	1	1	1	1	1	7
Van Buren.....	179	140	5	5	13	16	88	127	69	28	13	9	12	5	7	8	2	1	4
Washtenaw.....	800	176	57	12	27	28	85	239	167	36	18	8	5	7	1	1	1	1	18
Wayne.....	904	277	325	89	138	80	252	659	448	147	88	47	28	9	10	8	1	1	121
Wexford.....	4	3	1	1	1	1	8	1	8	1	1	1	1	1	1	1	1	1	1
Total.....	8,459	4,949	1,620	506	895	459	8,471	6,490	3,522	1,299	604	389	290	186	121	74	87	21	8

\* Not returned.

## THIRD REGISTRATION REPORT.

TABLE V.—MARRIAGES.

*Showing, by Counties, the respective ages of the Males and Females, and the total number Married under the age of Twenty-one years; and also, the whole number of persons Married in the State from January 1st to December 31st, 1869.*

COUNTIES.	AGES OF MALES.							AGES OF FEMALES.							Total Males Married under 21 years.	Total Females Married under 21 years.	Total Males and Re- males Married under 21 years.	Whole No. of Persons Married in the State.		
	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen.	Fourteen.	Thirteen.	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen.					Fourteen.	Thirteen.
Alcona.....	1	..	..	..	..	..	..	..	19	29	81	25	17	4	..	..	1	8	4	10
Allegan.....	9	2	2	1	..	..	..	..	..	..	..	..	..	..	..	..	14	125	189	520
Alpena.....	1	..	..	..	..	..	..	..	2	5	8	4	2	..	..	..	1	16	17	84
Antrim.....	1	1	..	..	..	..	..	..	4	1	1	1	3	1	..	..	2	11	18	98
Barry.....	8	1	1	..	..	..	..	..	7	9	22	11	12	3	1	..	10	65	75	280
Bay.....	1	..	..	..	..	..	..	..	8	16	6	9	1	..	..	..	1	40	41	172
Benzie.....	..	..	..	..	..	..	..	..	..	2	1	2	..	1	..	..	.....	6	6	94
Berrien.....	18	8	4	1	..	..	..	..	32	39	60	38	22	2	1	..	26	179	205	698
Branch.....	19	8	2	..	..	..	..	..	20	24	33	29	12	4	..	..	24	122	146	470
Calhoun.....	4	4	8	..	..	..	..	..	10	12	8	7	6	2	..	..	11	45	56	328

## MARRIAGES.

[illegible]

## THIRD REGISTRATION REPORT.

TABLE V—CONTINUED.

COUNTIES.	AGES OF MALES.							AGES OF FEMALES.							Total Males Married under 21 years.	Total Females Married under 21 years.	Total Males and Females Married under 21 years.	Whole No. of Persons Married in the State.		
	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen.	Fourteen.	Thirteen.	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen.					Fourteen.	Thirteen.
Lapeer.....	7	1	..	1	..	..	..	..	17	19	27	11	6	8	1	..	9	77	86	278
Leelanaw. ....	4	5	..	..	..	..	..	..	7	4	8	6	7	1	1	..	9	29	88	84
Lenawee.....	15	3	2	..	..	..	..	..	34	40	48	25	6	..	..	..	19	108	173	650
Livingston.....	8	4	1	..	..	..	..	..	12	9	14	7	4	..	..	..	8	46	54	238
* Mackinac.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Macomb.....	4	..	..	..	..	..	..	..	11	15	22	14	4	1	..	..	4	67	71	322
Manistee.....	2	..	..	..	..	..	..	..	6	8	8	4	6	..	..	..	2	37	29	186
* Manitou.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Marquette.....	2	..	..	..	..	..	..	..	8	6	9	8	5	..	..	..	2	26	38	150
Mason.....	3	..	..	..	..	..	..	..	8	4	8	1	1	..	..	..	2	12	14	54
Mecosta.....	8	8	1	..	1	..	..	..	8	11	10	6	9	2	..	..	8	46	54	148
Menominee.....	..	..	..	..	..	..	..	..	1	1	..	2	..	..	..	..	..	4	4	22
Midland.....	..	..	1	..	..	..	..	..	8	8	2	4	1	2	..	..	1	15	16	54

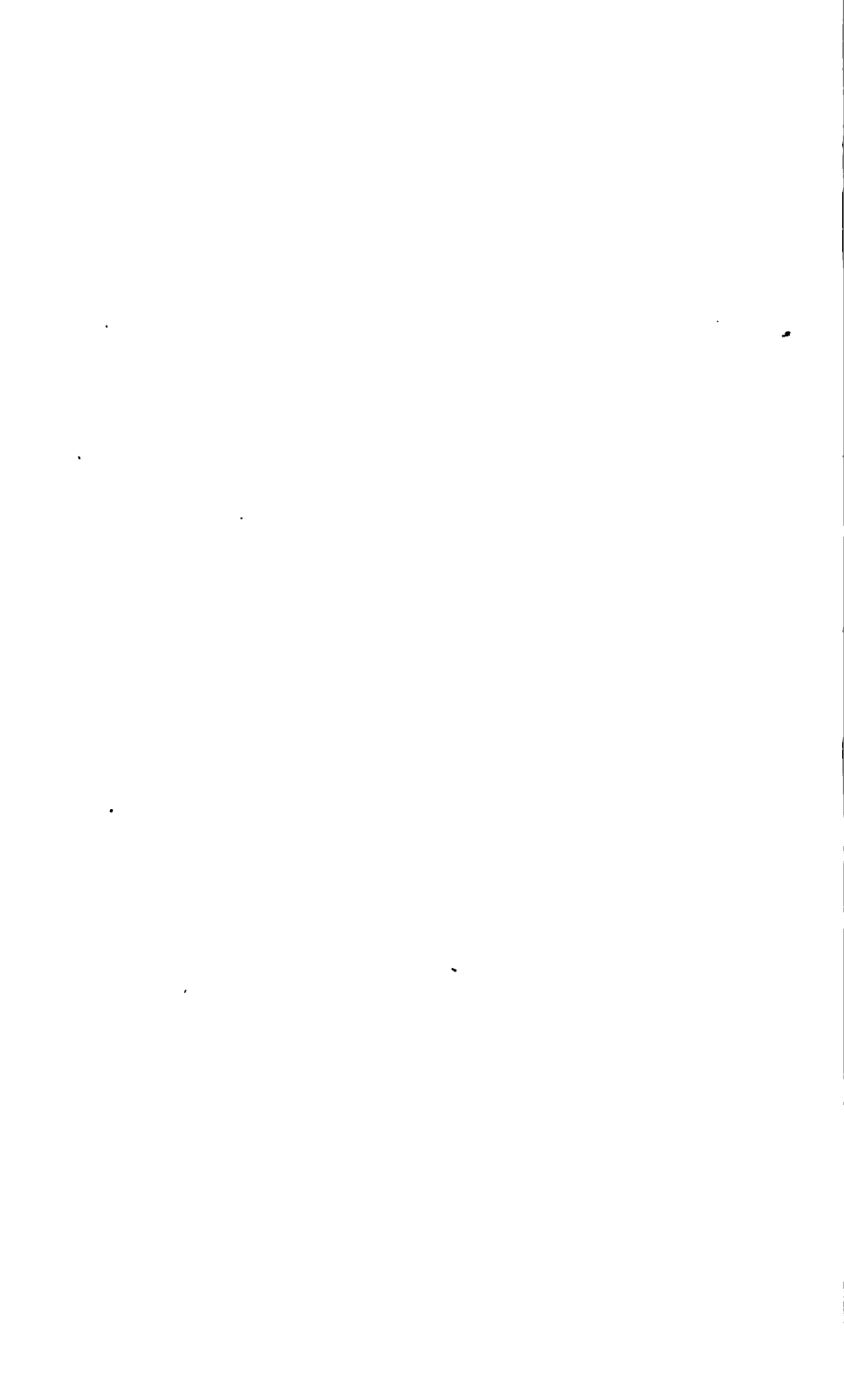
# MARRIAGES.

55

Monroe.....	5	8	2	2	..	..	..	15	22	9	19	10	2	..	..	12	77	59	426
Montcalm.....	2	2	..	..	..	..	..	6	7	7	10	8	2	1	..	4	41	45	176
Muskegon.....	7	1	..	..	..	..	..	15	16	18	16	15	2	1	..	8	58	91	206
Newaygo.....	2	2	..	..	..	..	..	5	6	7	10	7	2	1	..	4	85	42	106
Oakland.....	7	8	..	..	..	..	..	80	82	48	11	18	..	..	..	15	120	144	660
Oceana.....	1	2	1	..	..	..	..	5	8	8	9	8	..	..	..	4	88	42	128
Ontonagon.....	..	..	..	..	..	..	..	2	2	1	2	1	..	..	1	..	0	9	80
Oscoda.....	..	..	..	..	..	..	..	2	1	1	4	2	..	..	..	..	10	10	80
Ottawa.....	10	2	8	..	..	..	..	14	19	19	9	12	1	2	..	15	76	91	354
Saginaw.....	1	2	..	..	..	..	..	20	18	9	9	6	2	..	..	8	59	62	364
Sanilac.....	4	..	..	..	..	..	..	7	12	15	7	10	4	..	..	4	55	59	182
Shiawassee.....	6	2	..	..	..	..	..	18	16	18	7	7	1	1	..	8	28	66	258
St. Clair.....	9	8	8	..	..	..	..	22	28	40	26	10	2	1	1	15	125	140	528
St. Joseph.....	6	8	..	..	..	..	..	87	27	27	80	10	1	1	..	9	188	142	578
Tuscola.....	2	2	..	..	..	..	..	6	10	18	8	6	..	..	..	4	48	47	148
Van Buren.....	5	4	2	..	..	..	..	16	19	21	20	16	..	..	..	11	92	108	358
Washtenaw.....	4	4	1	..	..	..	..	29	28	27	18	10	..	1	..	9	108	117	600
Wayne.....	28	12	6	1	..	..	..	69	72	78	46	25	7	1	..	42	298	340	1808
Wexford.....	..	1	..	..	..	..	..	..	..	..	..	2	..	..	..	1	2	8	8
State.....	804	186	51	10	1	..	..	800	880	960	676	462	87	21	2	502	8,853	4,380	16,916

\* Not returned.





## DEATHS.

As time passes, the importance of exact knowledge seems to be better appreciated. Statistics, vital, social, and commercial, are demanded. Men now feel that they cannot be well convinced on these points except they see the figures, or at least know that the statements which they receive are made by those who have seen them. Questions of life and death come more and more to be considered as mathematical problems, requiring a basis of facts, from which to deduce correct conclusions; and the value of such conclusions is certainly very great compared with the common opinion formed, as it must be, by guess from uncertain data. Except by means of statistics, physicians cannot certainly know whether over a given disease they are gaining or losing control, whether even the general result of their efforts is better or worse than in times past. The common opinion may be that the race is degenerating,—that the average age of man is decreasing,—but without statistics the truth or falsity of the opinion cannot be known. In no other way can be shown the influence on mortality of climate, sex, age, occupation, and different social states; and of various other conditions, which when known, may be avoided.

Absolute truth is not claimed for any statistics, but while it seems proper to bear in mind the limited time during which, in this State, the various officers have been gaining familiarity with their duties, and the chances for error in consequence of this, and of the returns being copied once before reaching this office, still the value of the materials for these statistics of deaths is in most particulars believed to be nearly equal to the best.

Probably not all deaths are yet recorded, and the per cent to population in all cases may therefore be slightly less than the truth, but it seems just as probable that the *proportion* of deaths from the various causes does not suffer much disturbance from this source. There seems no reason for concluding that the proportion of the sexes is far from right; and the same may be said of the ages of adults. No doubt, through careless or unskillful manipulation, the results of some of the more delicate changes and unfavorable forces escape us; but, in the aggregate, the combined results in many cases become so plainly apparent that the various mistakes of many men cannot obliterate them.

The extent of territory and variety of climate and soil within the limits of this State render it a particularly favorable one for gaining valuable and comprehensive knowledge of the influence of various conditions upon the rate and causes of mortality. There is here an opportunity to compare in the Upper and Lower Peninsulas, counties differing by four degrees of latitude, inland counties with those on the east and west lake shore, the two shores with each other, and, what is unusually fortunate, old counties with those just being settled.

There are good reasons for believing, and indeed there can be no question, that the geological formation of a locality has very great influence on the rate of mortality from certain causes. It seems especially evident, when we remember that upon this the character of the water supply generally depends. The examination of this latter subject by scientific men in this State has lately received a new impulse on account of the numerous mineral springs and wells that have been discovered. Doubtless the public will eventually receive the benefit of the great increase of knowledge on this subject which will result from the additional examination and thought which it is receiving. This knowledge itself will be of the greatest consequence, for many of the most useful agents are so, through their skillful and proper use.

The whole number of deaths reported for 1869 was 9,145. Of this number 4,796 were males, 4,306 females, and 43 sex not given.

The proportion of the total number of deaths to population is very low, compared with other older States and cities, being only .775 per cent, or not quite eight per 1,000. One death to every 128 persons living in June, 1870.

The census used in computing the various percentages was taken in June, 1870, about six months after the close of the year in which the deaths occurred. Compared with the census of 1860 it shows an average yearly increase of about forty-four thousand. Deducting thirty thousand—eight thousand more than one-half of the average yearly increase—and again computing the death-rate for the State, we find that it is then only .796 per cent. It is still less than eight per 1,000. After this deduction, and making due allowance for many deaths which may not have been reported, the death-rate is still quite low. The standard aimed at in England at present is 17 per 1,000, but the rate for all England is about 22. It should be remembered in this connection that the population there is much more dense than here. The death-rate in New York city in 1869 was 25.13 per 1,000, computed on an estimated population of 1,000,000. In Brooklyn it was 22.59 per 1,000, with an estimated population of 370,000. This mortality, however, is estimated by Sanitary Supt. Dr. Harris, to be "fully 15 per centum too great; and it should be regarded as the duty of sanitary government and civic improvement to reduce the rate to an average of from 17 to 20 per 1,000 yearly. The fact must be borne in mind, however, that the death-rate in New York will have certain peculiarities that arise from the vast preponderance of the poor and ignorant classes, which comprise fully 65 per centum of the total population." In Massachusetts the death-rate for 1868 was 2.02 per cent., or 20.2 per 1,000 inhabitants in 1865.

TABLE I.  
*Deaths by quarters of the year.*

QUARTER ENDING	Deaths, 1869.	Per Cent to Total.
March.....	1,758	19.21
June.....	1,994	21.80
September.....	2,949	32.24
December.....	2,396	26.20
Unknown months.....	48	.52
Total.....	9,145	100.00

This table shows that the least number of deaths occurred in the first quarter. In Massachusetts, and also in Rhode Island, the second quarter is the one in which the least number occur. There, June has usually the least mortality; our order of mortality, by months, for 1869, shows January to have had the least. The report of the Metropolitan Board of Health for 1869 also shows January to have been the most favorable to life in New York City, although the least mortality for a full quarter was during the one ending with December.

The greatest mortality was during the third quarter, as it is usually reported to be in other States.

The influence of season seems to have been greater than it usually is in the other States and cities with which our statistics have been compared. In New York City, in 1869, there was a difference between the mortality of highest and lowest quarters of only about six per cent. In Massachusetts, for a number of years previous, this difference has not been over about nine per cent. It will be seen from this table that there was here, in 1869, a difference of about thirteen per cent between the lowest quarter, ending with March, and the highest quarter, ending with September.

TABLE II.  
*Order of Total Mortality by Months.*

MONTHS, 1909.	DEATHS.
1. September .....	1194
2. August .....	1068
3. October .....	874
4. December .....	836
5. March .....	761
6. April .....	712
7. July .....	687
8. November .....	686
9. May .....	652
10. June .....	630
11. February .....	561
12. January .....	436
Average .....	758

The greatest number of deaths occurring in any one month was 1,194, in September. By referring to Table XVI, it will be seen that this was not mainly due to any one special disease, but to a general fatality in many; though more especially among the several diseases of the bowels and brain. There was also, in this month, an increased number of deaths of children teething, and also of deaths from old age. It seems to be a self-evident proposition, that any unfavorable, non-specific influence will fall with greatest effect upon the weakest of the race, for they will be least able to withstand it. We might therefore reasonably expect that an increased rate of mortality from a general cause—such, for instance, as extreme heat, or important changes in temperature, to which all are more or less subjected—would be accompanied by a greater proportion of deaths among the extremely old and young. If

we turn to the meteorological tables for 1869, we notice that in September the mean daily range of the thermometer was greater than in any other month in the year; and that next to this month was August, which also comes next in the order of mortality. This subject, however, may be more properly treated further on, when considering the causes of death.

TABLE III.

*Number and Percentage of Deaths of Males and Females from all causes, by months (unknown sex excluded).*

MONTHS.	NUMBER.		PERCENTAGE.		
	Males.	Females.	Males.	Females.	Excess of Males.
January.....	227	207	52.30	47.69	4.61
February.....	317	241	56.80	43.19	3.61
March.....	405	355	53.38	46.71	6.57
April.....	366	345	51.40	48.59	2.81
May.....	344	307	52.84	47.15	5.69
June.....	331	296	52.79	47.20	5.59
July.....	358	323	52.56	47.43	5.13
August.....	568	498	52.34	47.65	4.69
September.....	621	567	52.27	47.73	4.55
October.....	446	424	51.37	48.73	2.55
November.....	349	337	50.73	49.26	1.47
December.....	438	398	52.70	47.29	5.41
Unknown month.....	26	13	66.66	33.33	33.33
Year.....	4,796	4,306	52.69	47.30	5.39

From this table we learn that March, May, June, and December were unfavorable months for males, compared with females, in the order given; the excess per cent of deaths of males being above 5.39, which was the average. Perhaps, however, we should reverse the statement and say that those months were favorable for females, for the first named—March—was

about an average one as regards total mortality, as will be seen by the table preceding. Next to March, the excess of males was greatest in May; it then decreased month by month until November, when the mortality of the sexes was nearly equal. In December it was increased to about the average excess, which was rapidly decreased in January and February; skipping March, in the month of April it was still below what it was in February, rendering March all the more prominent for its greatest difference in mortality of the sexes. Seeking a reason, we find by reference to the table of causes of death that the excess of fifty males in March was due to several immediate causes, whatever may have been the primary unfavorable condition or conditions. Pneumonia caused the death of twelve more males than females; other lung diseases, including typhoid pneumonia, caused twelve more. (In consumption there were eight more females than males, and although, taking the full year, the deaths of males from casualties exceeded those of females from childbirth by fifty-eight, in this month the casualties of males were fully equaled by deaths of females from the cause before mentioned.) From typhoid fever there was an excess of seven males; from scarlatina, of six; from heart disease, four; and from unknown causes, among which may be mentioned some reported "congestion," an excess of nineteen males. Here the great number of cases in which the cause of death was not reported render any accurate analysis for the ultimate cause of this difference difficult, not to say impossible, however plain it may appear that the males were subjected to some influence to which the females were not, or at least only in a less degree. At Lansing, which is near the center of the population, the thermometer went lower in March than in any other month in the year, reaching 2° below zero. The mean daily range was also high, 17.4°, the average for all the months being 15°.

If we exclude consumption, twenty-four out of the fifty greater number of deaths of males were caused by pneumonia



and other lung diseases; and the specified causes to which the other deaths were referred were of such a nature that, all things considered, there seem to be good reasons for believing that the predisposing cause of the excess of deaths of males in March was their greater exposure to the inclemencies of the season, on account of their out-door duties.

TABLE IV.

*Exhibiting the number and Sex, per cent to whole number of Deaths, and to total Population, and also percentage and difference between the Sexes of those who died at different periods of life from all causes, during the year 1869.*

AGE.	Males.	Females.	Unknown.	Total.	Per Cent of whole No. of Deaths.	Per Cent to Total Population of Counties Returned, 1870.	PERCENT. OF THE SEXES. (Unknown Sex excluded.)			
							Males.	Females.	EXCESS.	
									Males.	Females.
Under 5.....	2117	1768	85	3915	42.81	.381	54.56	45.43	9.13	.....
5 to 10.....	288	176	1	415	4.58	.085	57.48	42.51	4.97	.....
10 to 15.....	181	141	.....	272	2.97	.028	48.16	51.83	.....	3.67
15 to 20.....	168	206	.....	374	4.08	.081	44.91	55.08	.....	10.17
20 to 30.....	360	521	.....	881	9.68	.074	40.86	59.13	.....	18.27
30 to 40.....	289	380	.....	619	6.76	.052	46.68	53.31	.....	6.63
40 to 50.....	275	245	.....	520	5.68	.044	52.88	47.11	5.77	.....
50 to 60.....	312	281	.....	543	5.92	.046	57.47	42.52	14.95	.....
60 to 70.....	366	272	.....	638	6.96	.054	57.26	42.68	14.73	.....
70 to 80.....	291	209	.....	500	5.46	.042	58.20	41.80	17.40	.....
80 and over.....	148	121	.....	264	2.88	.022	54.16	45.83	8.33	.....
Unknown.....	106	91	7	204	2.12	.015	58.80	46.19	7.61	.....
Total.....	4,796	4,306	48	9,145	100.00	.775	52.69	47.80	5.29	.....

In this table two or three points immediately attract attention: The very great mortality under five years of age, the next greatest between twenty and thirty, and the excess of deaths of males and females at different ages. The first Report in this State showed that of the deaths from all causes "34.43 per cent were those of children under five years of age." In the second report this was increased to 41.27 per cent. The above table shows that in 1869 the proportion was still further increased, being 42.81 per cent.

Possibly the explanation of a part of this increase in last Report may be that the more thorough collection of the statistics resulted in obtaining the records of a greater proportion at this age, because the death of an adult generally creates a greater sensation and is more certain to be recorded than is the death of a child. On the first trial more deaths of children than of adults would, probably, for this reason escape collection, and a better execution of the law would consequently give a greater proportion under five years of age. Probably the increased proportion was also partly owing to the fact that the second report was for only nine months of the year, excluding the winter months, when the proportion of adults to those of children was doubtless greater than in summer. How much was due to this fact was intended, among other things, to be shown by a table exhibiting the number of persons who died at different periods of age in each month, but it has been found impossible to make up the table in time for this Report, as it would involve another compilation from the original returns.

In this third Report, which includes the full calendar year, the proportion is increased over that of the second by 1.54 per cent. Nearly this amount, however, is due to the addition of still-births this year, they being 1.41 per cent of the total number of deaths. We may still account for the difference between this full year and the first one without concluding that there was an increased proportional mortality among children,—by considering the difference due to a better col-

lection of records of that class of deaths, amounting to sufficient, since last report, to equal the reduction of proportion caused by including winter months. In other words, it does not necessarily follow from the statistics that there was, during the year 1869, an increased mortality of children under five years of age.

The per cent of deaths at the different ages to the population at those ages, or of each sex to the male and female population, cannot be given, as the census statistics have not yet been worked out sufficiently to furnish the data. As will be seen, the proportion of deaths under five to total population was .331 per cent, while the deaths at all ages were only .775 per cent of the population.

The whole number of deaths under five was 3,915. Among the many specified causes of death may be mentioned the following as the most prominent: Diarrhea, reported as the cause of 261 deaths; dysentery, of 187; cholera infantum, 108; bowel disease (kind not specified), 20. Pneumonia is charged with the death of 233; consumption, 111; croup, 94; lung disease, 56. Cephalitis caused the death of 146; convulsions, 58; brain diseases (not specified) 145. The other causes can be seen by reference to Table XVI, "Specified Causes of Death, Alphabetically Arranged." We have here a total of one thousand four hundred and nineteen deaths of children under five years of age, from prominent diseases affecting the alimentary canal, air passages, and nervous system.

That a large proportion of these deaths were due to insufficient and unsuitable clothing, and improper diet, will probably not be questioned by any who have given the subject much attention, although it seems plain that a majority of the people do not appreciate two very important facts in this connection. First, that human young are born into this cold world from a uniform temperature of about 100° F., and cannot be expected to withstand sudden changes, or a great degree of cold, as well as old settlers, and especially not when less

warmly clothed. The second, that the young of all animals—human young included—are by nature supplied with animal food, and ought not, at first, to be expected to thrive on food composed mainly of starch, or other vegetable substance.

The two or three hundred deaths between the ages of twenty and thirty years, in excess of the number in either the ten years preceding or succeeding, are fully accounted for by reference to three causes, viz: consumption, typhoid fever, and childbirth; which respectively caused the death of three hundred and thirteen, ninety-six, and sixty persons aged as above stated. The total number of deaths of those within that period was eight hundred and eighty-one.

The average proportion of deaths of the sexes for the year was 5.39 per cent more males than females. Whether or not this corresponds with the proportion of male and female population, we have as yet no means of knowing. The different influence upon the sexes of the conditions connected with age is, however, well and strikingly shown by this table. It will be seen that there was more than an average excess of males under five—slightly less than the average between five and ten; this change was continued, and from ten to fifteen there were 3.67 per cent more females than males; it was increased until thirty, when it declined from thirty to forty, being 6.63 per cent more females than males. After forty there were more deaths of males than females, the difference being greatest during the period between the ages of seventy and eighty.

The most marked contrast of the sexes was between the ages of twenty and thirty, when there were one hundred and sixty-one or 18.27 per cent more deaths of females than males. This was mainly due to four causes, viz: consumption, childbirth, dropsy, and pneumonia; the excess from these causes being respectively eighty-seven, sixty, twenty, and fourteen. As, in a certain sense, an offset to deaths from childbirth, should be noticed that of the deaths from casualties there were twenty-four more males than females; leaving, after these have

been subtracted, an excess of one hundred and fifty-seven females during this period of life from the four above mentioned causes.

The following table is the same as the one in last Report, except that in this the sex is given by counties, months, and periods of age, instead of simply by counties for the year. It therefore shows the influence of the conditions connected with season and age upon the mortality of the sexes, as well as upon the total mortality in each county; and also the number of deaths of each sex during the year in every county from which returns have been received.

TABLE V—DEATHS.

Showing by Counties and Months the Number and Sex, and by Counties the Sex and Age, in periods of years, of those who died from January 1st to December 31st, 1869, inclusive.

COUNTIES.	SEX.	MONTHS.												AGES.													
		1869.																									
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 and over.	Unknown.	
State	Total...	9145	486	561	761	712	652	680	687	1063	1194	874	686	886	43	3915	415	272	874	881	619	520	543	638	500	264	204
	Male...	4796	227	317	405	366	344	331	353	563	621	446	349	438	26	3117	288	181	168	360	239	275	312	366	291	143	106
	Female.	4306	207	241	355	345	307	296	328	498	567	424	337	388	13	1708	176	141	206	521	380	245	231	272	209	121	91
	Unk'n.	43	2	3	1	1	1	3	6	2	6	4	....	5	9	35	1	....	....	....	....	....	....	....	....	7	....
Alcona	Total...	1	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
	Male...	1	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
	Female.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Allegan.	Total...	205	13	17	17	10	17	20	16	17	32	18	9	19	....	84	16	5	6	12	15	14	17	15	16	8	2
	Male...	105	5	8	8	5	8	12	8	11	18	9	8	10	....	47	10	....	1	5	5	6	19	7	8	8	1
	Female.	98	8	7	9	5	9	8	8	6	14	9	6	9	....	35	6	5	5	7	10	8	5	8	8	....	1
	Unk'n.	2	....	2	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....

TABLE V—CONTINUED.

COUNTIES.	SEX.	MONTHS.												AGES.													
		1899.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 and over.	Unknown.
Alpena.....	{ Total...	80	1	3	2	1	3	...	2	8	8	8	2	4	...	28	1	...	1	2	1	...	...	1	...	1	...
	{ Male...	14	...	...	1	...	1	...	1	1	3	2	1	4	...	12	...	...	...	...	1	...	...	...	...	1	...
	{ Female...	16	1	2	1	1	1	...	1	7	...	1	1	...	...	11	1	...	1	3	...	...	1	...	...	...	...
Antrim.....	{ Total...	10	...	...	1	...	1	1	4	...	...	1	2	...	...	8	...	...	...	1	...	...	...	...	...	...	...
	{ Male...	6	...	...	1	...	...	1	2	...	...	1	1	...	...	5	...	...	...	...	1	...	...	...	...	...	...
	{ Female...	4	...	...	...	...	1	...	2	...	...	...	1	...	...	3	...	...	...	1	...	...	...	...	...	...	...
Barry.....	{ Total...	158	11	9	11	10	14	12	13	21	14	6	17	23	...	63	8	12	13	10	18	17	5	11	8	4	1
	{ Male...	82	4	1	7	4	7	5	8	15	5	4	7	15	...	37	2	8	5	6	5	4	5	6	2	1	1
	{ Female...	71	7	1	4	6	7	7	5	6	9	2	10	7	...	25	1	4	7	4	8	13	...	5	1	3	...
Bay.....	{ Total...	116	6	6	8	10	15	13	8	20	8	18	6	8	...	49	19	2	6	20	11	3	5	3	4	1	...
	{ Male...	76	6	4	8	4	8	7	7	11	5	10	5	6	...	33	6	1	5	13	9	3	8	1	3	1	...
	{ Female...	40	...	3	...	6	7	6	1	9	3	3	1	3	...	17	6	1	1	7	3	...	2	3	2	...	...

## DEATHS.

71

Benzie.	Total...	20	1	1	4	...	4	8	2	1	8	1	14	...	2	1	1	...	2	...							
	Male...	7	...	1	1	...	2	...	1	...	2	...	6	...	1	...	...	...	...	...							
	Female.	18	1	...	8	...	2	8	1	1	1	1	8	...	1	1	1	...	...	2							
Berrien.	Total...	215	9	15	14	15	18	15	19	89	19	14	22	1	94	8	8	11	19	20	16	5	21	11	9	8	
	Male...	97	4	8	9	6	6	5	6	12	21	6	5	9	38	2	2	5	8	7	6	8	14	8	6	8	
	Female.	118	5	7	5	9	12	10	9	7	18	13	9	18	1	56	1	1	6	11	18	10	2	7	8	8	
Branch.	Total...	181	11	9	28	12	10	8	17	16	24	18	11	17	...	67	6	7	5	17	18	11	14	20	14	2	9
	Male...	82	6	4	11	7	5	8	5	9	10	9	8	10	...	81	4	1	4	4	2	7	8	12	7	...	9
	Female.	99	5	5	17	5	5	5	12	7	14	9	8	7	...	86	2	6	4	18	11	4	6	6	7	2	...
Calhoun.	Total...	271	9	16	22	26	21	80	20	80	28	18	21	29	1	100	7	4	6	38	21	24	22	25	16	10	8
	Male...	188	5	7	11	12	10	14	10	17	18	11	10	18	...	53	6	2	8	18	8	18	10	11	9	4	1
	Female.	131	4	9	10	14	10	15	7	18	15	6	11	16	1	40	1	2	8	20	18	11	12	14	7	6	9
	Unk'n.	7	...	1	...	...	1	1	8	...	...	1	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...
Case.	Total...	200	18	9	20	15	15	18	10	88	28	19	10	14	1	94	8	6	10	15	11	16	7	17	10	5	1
	Male...	102	8	4	9	7	10	7	6	21	16	9	4	6	...	54	6	8	2	7	2	4	4	9	6	4	1
	Female.	98	10	5	11	8	5	6	4	12	12	10	6	6	1	40	2	8	8	8	9	12	8	8	4	1	...
Charlevoix.	Total...	10	1	1	...	...	...	1	1	1	1	1	2	1	...	2	...	...	1	2	8	1	...	...	1	...	...
	Male...	8	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	1	...	...	...	1	...	...
	Female.	7	...	...	...	...	...	1	1	1	1	1	2	...	...	2	...	...	1	1	2	1	...	...	...	...	...





Emmet.....	Total....	40	6	2	4	....	2	2	6	1	....	9	2	6	....	27	....	1	1	3	....	2	1	1	8	1	....
	Male....	18	3	1	2	....	1	....	4	....	....	4	2	2	....	10	....	1	....	1	....	2	1	1	1	1	....
	Female..	22	4	1	2	....	1	2	2	1	....	5	....	4	....	17	....	....	1	2	....	....	....	2	....	....	
Genesee.....	Total....	228	11	18	29	21	15	19	12	21	25	17	21	24	....	76	13	8	12	21	22	6	18	16	21	12	4
	Male....	117	7	9	18	10	8	9	5	10	14	7	9	10	....	42	7	4	6	10	9	8	10	8	9	8	1
	Female..	108	4	4	11	11	6	10	7	11	11	9	12	12	....	31	5	4	6	11	13	8	8	8	12	4	8
	Unk'n....	3	....	....	....	....	....	....	....	....	....	1	....	2	....	8	....	....	....	....	....	....	....	....	....	....	
Gd. Traverse.	Total....	42	....	2	7	4	5	2	3	3	3	5	2	6	....	18	2	1	1	4	8	8	1	4	3	1	1
	Male....	22	....	1	5	3	1	2	1	1	1	1	1	5	....	9	2	....	1	....	2	1	1	3	3	....	
	Female..	20	....	1	2	1	4	....	2	2	2	4	1	1	....	9	....	1	....	4	1	2	....	1	....	1	1
Gratiot.....	Total....	81	7	11	10	6	5	8	4	6	7	6	11	5	....	31	1	4	10	5	6	8	7	7	6	....	1
	Male....	42	4	4	7	5	2	....	2	2	5	4	4	3	....	18	1	2	6	2	2	....	6	3	2	....	
	Female..	35	3	7	3	1	3	8	1	2	2	1	7	2	....	10	....	2	4	3	4	3	1	4	4	....	
	Unk'n....	4	....	....	....	....	....	....	1	2	....	1	....	....	....	3	....	....	....	....	....	....	....	....	....	1	
Hillsdale.....	Total....	222	4	11	36	19	20	28	19	17	29	25	14	15	....	78	9	8	22	25	13	18	11	13	18	11	6
	Male....	128	3	8	14	13	14	11	13	8	11	14	9	7	....	51	3	3	6	10	5	7	6	11	9	9	3
	Female..	99	3	3	12	7	6	12	6	9	18	11	5	8	....	27	6	5	6	15	8	6	5	7	9	2	3

(a) No returns.

### THIRD REGISTRATION REPORT.

TABLE V—CONTINUED.

[illegible]

Iosco	Total...	25	8	3	5	1	1	3	2	4	4	8	3	2	1	2	4
	Male...	16	2	...	8	1	...	3	2	3	...	5	8	...	1	...	3
	Female...	9	1	2	2	...	1	...	...	2	1	3	...	2	1	2	1
Isabella	Total...	28	1	2	1	2	1	3	7	3	8	4	12	1	3	6	1
	Male...	16	1	2	...	1	1	2	3	1	2	8	7	1	2	2	...
	Female...	12	...	...	1	2	...	1	4	2	1	1	5	...	1	4	1
Jackson	Total...	217	8	14	22	22	19	18	23	31	17	13	14	...	11	21	20
	Male...	110	8	10	8	17	9	8	4	14	12	9	9	7	...	6	9
	Female...	107	5	4	8	5	13	11	9	14	19	8	4	7	...	15	11
Kalamazoo	Total...	277	17	23	26	19	12	15	18	30	40	29	26	21	1	111	10
	Male...	132	12	14	13	11	5	6	7	16	22	15	17	14	...	60	8
	Female...	119	5	9	13	8	7	7	11	14	16	13	9	7	...	45	2
	Unk'n...	6	...	...	...	...	2	...	...	2	1	...	...	...	1	6	...
Kent	Total...	336	14	17	21	25	27	25	23	39	43	37	21	38	1	121	23
	Male...	174	10	8	10	12	14	14	12	20	23	21	8	16	1	53	11
	Female...	160	4	9	11	12	13	11	11	19	20	16	13	21	...	61	12
	Unk'n...	2	...	...	1	...	...	...	...	...	...	...	...	1	...	2	...
Keweenaw (a)																	

(a) No returns.

**TABLE V—CONTINUED.**

COUNTIES.	SEX.	MONTHS.												AGES.													
		1869.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 and over.	Unknown.
Lapeer.....	Total...	125	7	7	19	8	18	10	7	11	13	12	16	9	---	49	5	7	15	10	7	1	14	5	4	1	---
	Male....	52	4	2	6	5	6	4	2	6	5	8	7	2	---	17	1	3	8	4	3	---	9	3	1	1	---
	Female..	73	3	5	6	3	7	6	5	5	7	9	9	7	---	31	4	4	7	6	4	1	5	2	3	---	
	Unk'n...	1	---	---	---	---	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---
Leelanaw.....	Total...	44	3	2	2	1	3	1	---	8	10	6	3	6	---	25	2	---	1	3	2	4	3	---	1	---	
	Male....	30	2	2	2	---	2	1	---	6	6	4	1	4	---	18	1	---	1	2	1	2	2	---	1	---	
	Female..	14	1	1	---	1	---	---	---	2	4	2	1	2	---	7	1	---	---	1	1	2	1	1	---	---	
Lenawee.....	Total...	274	5	14	24	39	13	14	26	38	25	25	19	30	2	85	14	17	20	13	12	23	27	23	11	6	
	Male....	153	3	7	13	23	7	7	16	22	17	10	8	15	1	50	8	9	5	14	8	5	13	20	15	4	
	Female..	121	3	7	11	11	6	7	10	16	8	15	11	15	1	35	6	8	10	4	7	10	7	8	7	4	
Livingston...	Total...	131	6	5	22	15	7	6	14	12	17	10	8	9	---	43	4	4	11	11	6	12	15	18	7	1	
	Male....	73	3	4	14	8	4	4	7	5	9	5	5	6	---	27	4	1	3	2	3	8	10	9	3	1	
	Female..	58	4	1	8	7	3	2	7	7	8	5	3	3	---	16	---	3	8	9	3	4	5	4	4	---	

[illegible]

**(a) No returns.**

### THIRD REGISTRATION REPORT.

TABLE V—CONTINUED.

[illegible]

Montcalm.....	Total....	85	2	8	6	8	6	8	5	11	14	8	7	7	....	27	3	1	4	15	4	3	4	10	10	3	1
	Male....	48	2	5	3	6	3	8	4	4	6	4	4	4	....	17	1	....	2	8	1	1	3	5	6	3	1
	Female....	37	....	3	3	2	3	....	1	7	8	4	3	3	....	10	2	1	2	7	3	2	1	5	4	....	....
Muskegon.....	Total....	138	4	9	10	6	8	13	14	19	27	12	7	9	....	71	8	4	5	12	5	6	9	8	3	1	6
	Male....	73	8	7	4	5	3	8	9	8	11	7	4	4	....	42	3	3	4	2	4	3	3	5	....	....	4
	Female....	64	1	2	6	1	5	5	4	11	16	5	3	5	....	28	5	1	1	10	1	3	6	3	3	1	2
	Unk'n....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
Newaygo.....	Total....	57	5	7	7	4	4	3	1	5	9	4	5	3	....	37	2	1	2	2	1	1	3	2	2	2	2
	Male....	35	4	5	4	2	4	2	1	1	4	3	2	3	....	25	1	....	....	1	....	1	2	1	2	1	1
	Female....	22	1	2	3	2	....	1	....	4	5	1	3	....	12	1	1	2	1	1	....	1	1	....	1	1	1
Oakland.....	Total....	241	11	13	25	19	15	21	23	25	17	33	16	21	2	68	13	11	7	31	7	15	17	33	15	19	5
	Male....	136	8	8	10	9	10	14	16	17	7	16	8	12	1	38	11	9	3	13	5	8	6	13	9	11	3
	Female....	105	3	5	15	10	5	7	7	8	10	17	8	9	1	30	2	2	4	18	2	7	9	15	6	8	2
Oceana.....	Total....	70	8	4	12	2	2	6	2	10	13	5	4	7	....	42	3	1	5	3	3	1	3	5	1	1	2
	Male....	43	3	3	8	1	1	5	1	3	10	2	3	3	....	23	1	....	2	1	2	1	2	4	1	1	....
	Female....	27	....	1	4	1	1	1	1	7	3	3	1	4	....	14	2	1	3	2	1	....	1	1	....	....	2
Ontonagon.....	Total....	33	1	2	6	4	4	1	2	3	1	4	5	....	17	2	2	....	1	3	3	2	2	2	....	1	1
	Male....	20	....	....	3	3	4	....	1	3	1	2	3	....	11	1	1	....	....	3	....	2	1	....	1	....	....
	Female....	13	1	2	3	1	....	1	1	....	....	2	2	....	6	1	1	....	1	....	3	....	1	....	....	1	1



TABLE V—CONTINUED.

COUNTIES.	SEX.	MONTHS.												AGES.													
		1869.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 and over.	Unknown.
Osceola.....	Total...	10	...	1	1	8	...	1	...	2	1	1	...	...	6	...	1	1	2	...	...	...	...	...	...	...	...
	Male...	4	...	1	...	1	...	1	...	1	...	...	...	...	2	...	...	1	1	...	...	...	...	...	...	...	
	Female...	6	...	...	1	2	...	...	...	1	1	1	...	...	4	...	1	...	1	...	...	...	...	...	...	...	
Ottawa.....	Total...	234	5	7	26	8	11	15	12	40	43	24	16	23	4	118	9	7	6	24	17	13	8	15	12	1	4
	Male...	131	4	4	14	3	9	11	6	23	22	11	7	13	4	64	6	...	2	11	10	9	8	9	9	1	3
	Female...	103	1	3	12	5	2	4	6	17	21	13	9	10	...	54	3	7	4	13	7	5	...	6	3	...	1
Saginaw.....	Total...	444	26	42	29	32	23	24	34	51	63	52	23	35	...	249	29	12	13	43	22	21	15	9	10	8	13
	Male...	229	6	21	19	13	16	12	13	27	35	31	17	14	...	131	18	6	7	15	10	12	10	5	7	4	4
	Female...	210	18	21	10	14	7	12	21	24	31	21	11	20	...	115	11	6	6	28	12	9	5	4	3	4	7
	Unkn'.	5	2	...	...	...	...	...	...	...	2	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	2
Sanilac.....	Total...	63	6	2	...	3	4	2	9	6	13	12	8	3	...	30	4	1	5	5	3	5	3	2	3	2	...
	Male...	34	4	2	...	...	2	...	6	6	3	5	4	2	...	16	3	...	2	3	3	3	1	1	1	1	...
	Female...	24	2	...	...	3	2	9	3	...	10	7	4	1	...	14	1	1	3	2	5	2	2	1	2	1	...

Shiawassee...	Total...	154	18	10	6	9	7	19	13	23	17	18	13	1	52	3	5	9	18	11	5	13	9	19	7	11	
	Male...	75	8	5	5	4	3	5	7	9	10	7	5	7	23	1	3	3	4	2	3	8	7	6	3	7	
	Female...	78	5	5	1	5	4	7	5	9	13	10	8	6	23	2	3	6	14	9	2	4	2	6	4	3	
	Unk'n...	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	
St. Clair.....	Total...	299	23	18	25	20	25	13	18	43	39	24	20	23	3	139	17	9	17	34	22	20	21	7	7	3	3
	Male...	171	13	11	16	12	14	9	10	29	16	16	10	13	2	88	8	5	8	12	12	14	17	4	4	1	3
	Female...	127	10	7	9	8	11	4	8	19	23	8	10	10	.....	55	9	4	9	22	10	6	4	3	3	.....	
	Unk'n...	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
St. Joseph.....	Total...	200	10	21	13	25	8	13	11	17	29	21	6	20	1	70	5	3	6	21	15	6	20	27	14	9	4
	Male...	97	4	11	6	11	4	5	9	10	13	11	4	8	1	38	.....	2	3	9	5	1	8	18	7	5	1
	Female...	103	6	10	12	14	4	8	2	7	16	10	2	12	.....	32	5	1	3	12	10	5	12	9	7	4	3
	Unk'n...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Tuscola.....	Total...	99	3	5	7	9	10	7	13	17	11	8	5	4	.....	34	4	4	6	12	8	3	5	4	7	2	5
	Male...	49	2	4	4	3	5	5	6	7	5	3	3	2	.....	19	1	1	3	5	3	3	1	4	2	4	
	Female...	50	1	1	3	6	5	2	7	10	6	5	2	2	.....	15	3	3	3	7	5	2	3	3	.....	1	
	Unk'n...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Van Buren.....	Total...	137	6	14	9	11	17	9	10	28	27	26	12	16	2	69	13	4	8	16	13	12	13	13	14	8	4
	Male...	109	5	8	6	4	10	6	7	13	15	15	9	10	1	41	5	3	5	7	7	5	7	8	11	7	3
	Female...	78	1	6	3	7	7	3	3	15	12	11	3	6	1	28	8	1	3	9	6	7	6	5	3	1	1
	Unk'n...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	

## THIRD REGISTRATION REPORT.

TABLE V—CONTINUED.

COUNTIES.	Sex.	MONTHS.												AGES.													
		1899.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 and over.	Unknown.
Washtenaw	Total...	249	6	15	14	22	20	18	14	80	80	84	92	20	4	67	11	8	22	27	19	28	15	11	27	11	8
	Male...	129	4	6	4	12	13	11	6	19	17	15	11	9	2	37	5	2	8	14	12	8	8	12	16	6	1
	Female...	120	2	9	10	10	7	7	8	11	13	19	11	11	2	30	6	1	14	13	7	15	7	9	11	5	2
Wayne	Total...	1811	53	73	100	91	78	88	120	139	153	88	112	137	19	699	44	31	40	90	84	65	65	64	52	28	49
	Male...	720	23	43	51	43	46	51	65	92	95	45	63	83	10	372	28	13	17	36	50	45	40	41	35	15	23
	Female...	537	30	30	49	43	32	37	55	97	58	43	49	54	5	325	16	13	23	54	34	20	25	23	17	13	24
	Unk'n...	4	—	—	—	—	—	—	—	—	—	—	—	—	4	2	—	—	—	—	—	—	—	—	—	—	9
Wexford	Total...	5	—	—	—	2	—	—	—	—	2	—	—	1	—	3	—	—	—	2	—	—	—	—	—	—	—
	Male...	3	—	—	—	1	—	—	—	—	2	—	—	—	—	3	—	—	—	—	—	—	—	—	—	—	—
	Female...	2	—	—	—	1	—	—	—	—	—	—	—	1	—	—	—	—	—	2	—	—	—	—	—	—	—

TABLE VI.

*Nativity, by Sex and Counties, of those who Died during the year 1869.*

COUNTIES.	AMERICAN.				FOREIGN.				UNKNOWN.				TOTALS.			
	Male.	Female.	Unk'n.	Total.	Male.	Female.	Unk'n.	Total.	Male.	Female.	Unk'n.	Total.	Male.	Female.	Unk'n.	Grand Total.
State.....	8850	8629	88	7517	744	581		1275	202	146	5	353	4796	4806	48	9145
Alcona.....	1			1									1			1
Allegan.....	81	82	2	165	17	15		32	7	1		8	105	98	2	205
Alpena.....	12	15		27	2	1		3					14	16		30
Antrim.....	5	4		9	1			1					6	4		10
Barry.....	74	65		139	7	5		12	1	1		2	82	71		153
Bay.....	51	81		82	19	6		25	6	8		9	76	40		116
Benzie.....	6	12		18	1			1	1			1	7	18		20
Berrien.....	84	107		191	10	6		16	8	5		8	97	118		215
Branch.....	78	96		174	4	3		7					82	99		181
Calhoun.....	118	109	7	229	12	11		23	8	11		19	188	181	7	271
Cass.....	95	89		184	5	8		18	2	1		3	102	98		200
Charlevoix.....	1	4		5	2	3		5					3	7		10
Cheboygan.....	2	5		7	1			1	1			1	4	5		9
Chippewa (a).....																
Clinton.....	72	83		155	9	5		14	2			2	88	68		171
Delta (a).....																
Eaton.....	88	92	1	181	4			4	6	2		8	98	94	1	198
Emmet.....	16	22		38	1			1	1			1	18	22		40
Genesee.....	101	90	2	193	7	14		21	9	4	1	14	117	108	3	228
Grand Traverse.....	20	16		36	1	3		4	1	1		2	22	20		42
Gratiot.....	38	83	4	75	8	2		5	1			1	42	85	4	81
Hilledale.....	110	92		202	4	3		7	9	4		18	123	99		222
Houghton.....	54	49		103	14	6		20					68	55		123
Huron.....	11	18		24	12	15		27					23	28		51
Ingham.....	100	111		211	7	9		16	2	2		4	109	122		231

(a) Not returned.

TABLE VI—CONTINUED.

COUNTIES.	AMERICAN.				FOREIGN.				UNKNOWN.				TOTALS.			
	Males.	Females.	Unk'n.	Total.	Male.	Female.	Unk'n.	Total.	Male.	Female.	Unk'n.	Total.	Male.	Female.	Unk'n.	Grand Total.
Ionia.....	100	97	1	198	14	4	..	18	9	10	..	19	123	111	1	235
Iosco.....	10	6	..	16	6	2	..	8	..	1	..	1	16	9	..	25
Isabella.....	15	11	..	26	1	1	..	2	..	..	..	..	16	12	..	28
Jackson.....	98	99	..	197	10	5	..	15	2	8	..	5	110	107	..	217
Kalamazoo.....	125	94	5	224	18	17	..	35	9	8	1	18	152	119	6	277
Kent.....	182	186	2	270	35	21	..	56	7	3	..	10	174	160	2	336
Keweenaw (a).....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lapeer.....	44	64	1	109	6	7	..	13	2	1	..	3	52	72	1	125
Leelanaw.....	27	14	..	41	8	..	..	8	..	..	..	..	30	14	..	44
Lenawee.....	138	107	..	245	11	10	..	21	4	4	..	8	153	121	..	274
Livingston.....	65	52	..	117	5	6	..	11	3	..	..	3	78	58	..	136
Mackinac (a).....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Macomb.....	81	112	..	193	24	16	..	40	1	..	..	1	106	128	..	234
Manistee.....	20	18	..	38	5	4	..	9	..	1	..	1	25	23	..	48
Manitou (a).....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Marquette.....	85	50	..	135	21	25	..	46	..	..	..	..	56	75	..	131
Mason.....	20	10	..	30	1	2	..	3	1	..	..	1	22	12	..	34
Mecosta.....	16	15	..	31	6	3	..	9	..	2	..	2	22	20	..	42
Menominee.....	3	5	1	9	..	1	..	1	..	..	..	..	8	6	1	15
Midland.....	15	7	..	22	2	..	..	2	..	1	..	1	17	9	..	26
Monroe.....	104	101	3	208	16	13	..	29	5	..	..	5	125	114	3	242
Montcalm.....	44	31	..	75	4	5	..	9	..	1	..	1	48	37	..	85
Muskegon.....	50	52	1	103	12	9	..	21	2	3	..	5	73	64	1	138
Newaygo.....	32	22	..	54	3	..	..	3	..	..	..	..	35	22	..	57
Oakland.....	105	91	..	196	27	12	..	39	4	2	..	6	136	105	..	241
Oceana.....	40	25	..	65	3	1	..	4	..	1	..	1	43	27	..	70
Ontonagon.....	16	9	..	25	4	4	..	8	..	..	..	..	20	13	..	33
Osceola.....	3	5	..	8	1	..	..	1	..	1	..	1	4	6	..	10
Ottawa.....	94	78	..	172	34	24	..	58	3	1	..	4	131	108	..	239
Saginaw.....	163	163	4	330	56	42	..	98	5	5	1	11	229	210	5	444
Sanilac.....	23	19	..	42	11	15	..	26	..	..	..	..	24	34	..	58
Shiawassee.....	57	70	1	128	11	7	..	18	7	1	..	8	75	78	1	154

(a) Not returned.

TABLE VI—CONTINUED.

COUNTIES.	AMERICAN.				FOREIGN.				UNKNOWN.				TOTALS.			
	Male.	Female.	Unk'n.	Total.	Male.	Female.	Unk'n.	Total.	Male.	Female.	Unk'n.	Total.	Male.	Female.	Unk'n.	Grand Total.
St. Clair.....	118	96	1	215	49	81	..	80	4	..	..	4	171	137	1	299
St. Joseph.....	80	92	..	172	12	4	..	16	5	7	..	12	97	108	..	200
Tuscola.....	42	46	..	88	6	4	..	10	1	..	..	1	49	50	..	99
Van Buren.....	98	67	..	160	7	8	..	10	9	8	..	17	109	78	..	187
Washtenaw.....	98	109	..	207	25	10	..	35	6	1	..	7	129	130	..	249
Wayne.....	514	485	2	951	152	107	..	259	54	45	2	101	720	567	4	1311
Wexford.....	8	1	..	4	..	1	..	1	..	..	..	..	8	2	..	5

This table is the same as the one in last Report, except that, instead of the total American, Foreign, and Unknown in each county, the number of each sex and total of each nativity for the county is given. It still lacks percentage to native and foreign population. This can probably be given next year.

Table VII, of deaths of persons belonging to races other than white, will also be more valuable when the proportion of Negro and Indian population is known, and the percentage of deaths to the same is given.

TABLE VII.

*Deaths of Persons belonging to Races other than White.  
Number and Sex in each County.*

COUNTIES.	AFRICAN.			INDIAN.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State.....	40	44	84	44	39	83
Alcona.....	--	--	--	--	--	--
Allegan.....	--	1	1	--	--	--
Alpena.....	--	--	--	1	--	1
Antrim.....	--	--	--	--	--	--
Barry.....	--	--	--	--	--	--
Bay.....	--	--	--	2	3	5
Benzle.....	--	1	1	--	--	--
Berrien.....	1	1	2	--	--	--
Branch.....	--	--	--	--	--	--
Calhoun.....	1	2	3	1	--	1
Cass.....	10	15	25	--	--	--
Charlevoix.....	--	--	--	--	--	--
Cheboygan.....	--	--	--	1	1	2
* Chippewa.....	--	--	--	--	--	--
Clinton.....	--	1	1	--	--	--
* Delta.....	--	--	--	--	--	--
Eaton.....	--	--	--	--	--	--
Emmet.....	--	--	--	18	21	39
Genesee.....	--	--	--	--	--	--
Grand Traverse.....	--	--	--	--	--	--
Gratiot.....	--	--	--	--	--	--
Hillsdale.....	--	--	--	--	--	--
Houghton.....	--	--	--	5	7	12
Huron.....	--	--	--	--	--	--

\* Not returned.

TABLE VII—CONTINUED.

COUNTIES.	AFRICAN.			INDIAN.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Ingham.....	..	8	8	..	..	..
Ionia.....	..	..	..	..	..	..
Iosco.....	..	..	..	..	..	..
Isabella.....	..	..	..	..	..	..
Jackson.....	4	..	4	..	..	..
Kalamazoo.....	8	8	6	..	..	..
Kent.....	1	2	8	..	..	..
* Keweenaw.....	..	..	..	..	..	..
Lapeer.....	..	..	..	..	..	..
Leelanaw.....	..	1	1	2	..	2
Lenawee.....	..	..	..	..	..	..
Livingston.....	..	..	..	..	..	..
* Mackinac.....	..	..	..	..	..	..
Macomb.....	..	..	..	..	..	..
Manistee.....	..	..	..	..	..	..
* Manitou.....	..	..	..	..	..	..
Marquette.....	..	..	..	..	..	..
Mason.....	..	..	..	5	..	5
Mecosta.....	..	..	..	..	..	..
Menominee.....	..	..	..	..	..	..
Midland.....	..	..	..	..	..	..
Monroe.....	1	1	2	..	..	..
Montcalm.....	..	..	..	..	..	..
Muskegon.....	1	..	1	..	..	..
Newaygo.....	..	..	..	1	..	1
Oakland.....	2	..	2	..	..	..
Oceana.....	..	..	..	4	7	11
Ontonagon.....	..	..	..	1	..	1
Osceola.....	..	..	..	..	..	..

\* Not returned.



TABLE VII—CONTINUED.

COUNTIES	AFRICAN.			INDIAN.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Ottawa.....	2	2	4	..	..	...
Saginaw.....	2	2	4	..	..	...
Sanilac.....	..	..	..	..	..	...
Shiawassee.....	..	1	1	..	..	...
St. Clair.....	..	..	..	..	..	...
St. Joseph.....	..	..	..	..	..	...
Tuscola.....	..	..	..	..	..	...
Van Buren.....	1	4	5	8	..	8
Washtenaw.....	4	3	7	..	..	...
Wayne.....	7	1	8	..	..	...
Wexford.....	..	..	..	..	..	...

TABLE VIII.  
Deaths of those Aged One Hundred Years and over, 1860.

NAME.	SEX.	COLOR.	Married, Single, or Widow'd.	BIRTHPLACE.	AGE.		OCCUPATION.	PLACE OF DEATH.		DATE OF DEATH.		CAUSE OF DEATH.
					Years.	Mo's.	Days.			Month.	Day.	
Annie N. Gregory.....	Fe.	White.	Widow.	New York.....	110	4	....	Not stated.....	Pulaaki... Jackson...	April....	20	Old Age.
Jedediah Osburn.....	M.	White.	Widower.	Unknown.....	101	6	16	Not stated.....	Wyoming Kent.....	August..	25	Bee Sting
Agnes Scott.....	Fe.	Colored	Widow.	North Carolina	110	4	..	House-keeper...	Porter... Cass.....	March...	17	Old Age.
William Wausby.....	M.	Colored	Married.	Ohio.....	112	....	....	Not stated.....	Detroit... Wayne...	June....	16	Old Age.

It is interesting to know all the facts possible of these ancient mariners on the sea of life, with a view of learning how and why they have weathered the storms for so long a period.

The age of parents and children would be valuable information, as showing the influence of parental longevity.

The age attained by three of the above is remarkable. It is believed that statistics of States or cities, with an equal population, seldom show as many at such an advanced age, or include even one who has reached the age of one hundred and ten years.



## CAUSES OF DEATH.



Prominent among the conditions of life and the causes of death, are the influences of climate and season of the year. An effort was made to secure a meteorological record for the year 1869 from each sanitary district of the State, but the following, from two places, were all that were obtained. The requests were not entirely without good results, inasmuch as some observers have promised to furnish a record in future. Some additional data are required for purposes of study in this connection, and, in order to supply all that is wanted, observers must be found in several parts of the State who will give special attention to such matters as bear directly, with greatest force, upon the health and lives of the people.

Tables IX and X were compiled in this office, from observations made at the Agricultural College, near Lansing, by Prof. R. C. Kedzie, published in the Report of the State Board of Agriculture for 1869.

Table X contains results of observations made at Monroe, by Miss F. E. Whelpley.

TABLE IX.

*Showing the Mean Altitude and Range of the Barometer, the Prevailing Winds, the mean relative Humidity, Percentage of Cloudiness of the sky, the number of Days of Rain or Snow, and the Quantity of Rain or melted Snow for each month of the year 1869, at Lansing, Mich.*

MONTHS.	Barometer—Mean reduced to 32° Fahrenheit.	Range of Barometer.	DAYS OF PREVAILING WINDS.							Relative Humidity or percentage of Saturation—Average.	Mean Cloudiness of the Sky.	Number of Days of Rain and Snow.	Rain and Melted Snow in inches.	
			North.	Northeast.	East.	Southeast.	South.	Southwest.	West.					Northwest.
January.....	28.880	1.428	1	2	8	..	..	18	11	1	96	66	7	.87
February.....	28.889	1.468	..	7	1	2	8	8	6	1	95	71	10	2.950
March.....	28.984	.717	..	5	1	4	1	12	5	8	82	67	11	1.638
April.....	28.827	1.148	1	1	4	8	..	9	9	8	67	61	18	8.422
May.....	28.749	.787	..	5	4	8	1	12	5	1	70	70	14	3.054
June.....	28.856	.929	..	1	..	6	..	14	8	1	80	65	11	4.896
July.....	28.844	.624	1	1	..	8	1	17	8	..	79	58	10	5.768
August.....	28.968	.575	1	7	8	2	..	10	5	2	75	48	7	4.658
September.....	29.020	.751	8	8	2	1	2	16	2	..	68	41	6	1.490
October.....	28.990	.642	1	..	..	..	..	14	14	1	66	66	11	1.728
November.....	28.868	1.402	..	1	5	8	..	4	18	8	86	77	19	1.925
December.....	28.999	1.218	..	2	2	2	1	14	9	1	82	78	11	2.108
Whole Year.....	28.887	1.660	8	35	25	29	9	148	95	15	81	68	198	23.152

TABLE X.

*Showing the Mean Temperature, the Highest and Lowest Temperature, the Monthly Range, the Mean Daily Range, and the Greatest Change in Twenty-four Hours, for each month of the year 1869, at Lansing, Michigan.*

MONTHS.	THERMOMETER.				Mean Daily Range.	GREATEST CHANGE IN 24 HOURS.	
	Mean.	Highest	Lowest.	Range.		Degrees of rise or fall of Ther- mometer.	Day of Month.
January.....	29.38°	50°	4°	46°	12.4°	R. 33°	16th.
February.....	26.66°	60°	-4°	64°	17.1°	R. 48°	5th.
March.....	27.60°	62°	-2°	64°	17.4°	R. 34°	18th.
April.....	45.70°	78°	20°	58°	16.0°	R. 29°	22d.
May.....	56.02°	88°	41°	42°	14.0°	F. 25°	9th.
June.....	64.45°	88°	44°	39°	15.3°	F. 26°	16th.
July.....	70.35°	89°	54°	35°	15.2°	R. 27°	22d.
August.....	70.53°	92°	46°	46°	13.0°	F. 30°	21st.
September.....	63.45°	89°	33°	51°	19.3°	R. 35°	1st.
October.....	40.30°	74°	13°	56°	12.4°	R. 27°	6th.
November.....	32.05°	71°	4°	67°	11.3°	R. 40°	24th.
December.....	33.16°	45°	0°	45°	12.1°	R. 37°	26th.
Whole Year.....	46.27°	92°	-4°	96°	15.0°	R. 43°	Feb. 5th.

TABLE XI.

*Showing the Mean Temperature, the Highest and Lowest Temperature, the Monthly Range, the Mean Daily Range, and the Greatest Change in Twenty-four Hours; and also the Prevailing Winds, Relative Humidity, Rain and Melted Snow, in inches, for each month of the year 1869, at Monroe, Michigan:*

MONTHS.	Thermometer.				M'n Daily Range.	Greatest Change in 24 hours.		Prevall'g Winds.	Relative Humidity (unity as max'm.)	Rain and Melted Snow, in inches.
	Mean.	Highest.	Lowest.	Range.		Degr's of rise or fall of thermometer.	Day of Month.			
January.....	33.30°	54°	13°	42°	11.09°	26° R.	10th.	N. and W.	.3	.50
February.....	30.99°	69°	5°	64°	11.57°	27° F.	18th.	S. and W.	.55	3.23
March.....	29.48°	60°	0	60°	11.06°	28° R.	28d.	S. and W.	.325	2.23
April.....	46.59°	74°	26°	48°	10.86°	18° F.	28th.	W.	.35	2.60
May.....	57.45°	86°	48°	38°	9.26°	28° F.	26th.	N. and W.	.325	5.61
June.....	65.95°	86°	46°	42°	11.37°	30° R.	7th.	S. and W.	.6	5.45
July.....	73.07°	90°	60°	30°	9.87°	23° F.	22d.	N. and W.	.65	3.90
August.....	70.05°	90°	42°	48°	12.23°	34° F.	25th.	N. and W.	.125	1.45
September....	58.55°	86°	32°	54°	13.67°	26° R. & F	4th.	S. and W.	.225	2.67
October.....	41.98°	66°	21°	45°	11.90°	24° F.	9th.	S. and W.	.05	.31
November....	33.17°	65°	10°	55°	8.80°	33° R.	3d.	S.	.125	1.16
December.....	31.05°	48°	16°	32°	9.00°	18°	22d.	E. and S.	.125	1.32
Whole Year..	43.04°	90°	0	90°	10.84°	32° R.	Nov. 3d.	.....	.329	33.47

There seems to be nothing very remarkable about the meteorological records in this State during the year 1869, and no obvious connection between the facts set forth in these tables and the death-rate. There can be no question, however, but that, if sufficient time could be given to the study of these conditions in connection with the death-rate, the result would be the demonstration of important relations between them.

Man's "struggle for existence" is largely with the elements. As Mr. J. Disturnell has pointed out, the progress of the human race has been almost completely controlled by climate. Only within certain limits has man been able to live and progress, the obstacles outside those limits heretofore proving too great. The most favorable climate has been shown to be where the mean temperature for the year is about 48° to 52° Fahrenheit; and along this isothermal line are a great majority of the most prosperous cities and countries. Human life and progress is there subject to the most favorable circumstances. The advance of knowledge, like this we are here seeking, will enable man to overcome many unfavorable conditions, to make progress in climates in which it has been difficult, and will tend greatly to increase the chances of life in the most favorable locations.

It will be seen from the first column of Table IX, giving mean height of barometer for each month, that the barometer was highest in September, corresponding with the greatest mortality; and was, in fact, highest in the five months in which the greatest number of deaths occurred, although not descending in precisely the same order as the mortality by months. The comparison can be made by referring to Table II in connection with Table IX.

Table IX also shows that the total rain-fall for 1869 was 33.153 inches,—about two and one-half inches more than the average at Lansing for a number of years past. The average percentage of saturation, or humidity of the atmosphere, was 81. Average percentage of cloudiness of the sky, 63. Number of days on which it either rained or snowed, 123. The air appears to have been more moist at Lansing than at Monroe, and the rain-fall greater. This last is not in accordance with the rule that the rain-fall becomes less with the increase of the latitude, as Lansing is about one degree further north than Monroe. The quantity recorded at Monroe might perhaps have been slightly increased if the figures had been carried



out another point. In order to compare the humidity of the atmosphere in Table XI with the same column in Table IX, it must be multiplied by 100, as in the one case unity is taken as maximum, and in the other is given the percentage of saturation.

At Monroe the monthly mean temperature was highest in the months of July, August, June, September, May, etc., in above order. The monthly mean temperature at Lansing was highest in August, next highest in July, and third in September. It will be seen by Table II that the order of greatest mortality was September, August, October, etc. In July the mortality was below the average, and at the same time the temperature was higher than in September or October, and at Monroe was higher than in any other month. It is readily seen that the greatest mortality was not coincident with the highest temperature, but occurred two or three months after that period. This grouping of facts shows, perhaps, the accumulated effects of extreme heat, and, possibly, to some extent, the effect of the withdrawal of this powerful natural stimulant.

There is time here merely to glance at these matters, and not sufficient to attempt to study or show how much is due to each of these several causes; and besides, such problems can only be fully elucidated by thorough analysis of the data supplied by numerous statistical observations.

There is, however, another important relation between conditions of temperature and the death-rate, and that is the correspondence between the time of extreme daily range of the thermometer and months having greatest mortality. (The mean daily range for the month is found by subtracting the lowest from the highest temperature reached each day, adding together the remainders, and dividing the total by the number of days in the month.) At Lansing the mean daily range of thermometer was greatest in September, and next greatest in August. At Monroe the order by months was September, August, October, etc., which, so far, was also the order of

greatest total mortality in the State. This correspondence cannot, however, be traced further. The indication would seem to be that, under certain conditions, extreme daily range of temperature is not favorable to life. This question seems also to be a very proper one for further examination. If this or either of the two last preceding propositions prove true, the excessive mortality at this season of the year may doubtless be greatly lessened, for an important step is made towards overcoming unfavorable influences when we learn their essential nature. Indeed, it seems plain that whenever the effects of such causes shall be fully appreciated, they may be reduced to a minimum by proper clothing, frequent change of clothing, corresponding with changes in temperature, and by means of properly regulated artificial heat. No effect has been noticed that could be traced to single great changes of temperature. At least two of the greatest changes of this kind are recorded in months in which less than the average number of deaths occurred. The effect of such changes can be better learned by compiling the deaths by weeks instead of by months, as has been done. This will involve still further time and labor, but promises valuable knowledge in return.

Tables XII and XIII are similar to Tables I and II in the first report in this State, and have been prepared for the purpose of showing the influence of conditions connected with sex, season, and age, upon the rate of mortality from a few specified causes.

Consumption and pneumonia were not included, because they were deemed of sufficient importance to be worthy of special study in tables by themselves.

*Cancer.*—Of the one hundred and thirteen deaths from cancer, sixty-six, or 58.40 per cent were females. It should be remembered in this connection, that from all causes, there were 5.39 per cent more deaths of males than females, as shown by Table III. The average percentage of deaths of females from all causes was 47.30. If we subtract this average from 58.40, we find that cancer caused the death of 11.10 per cent more females than the average proportion from all causes.

Taking up the influence of season upon the death-rate from cancer, we find that during the first four months of the year there were twenty-two deaths; during the second four months, thirty-six, and in the last four there were fifty-five. The greatest number of deaths occurred in October, and the next greatest number in November; the thirty-one deaths in these two months showing a marked contrast with the six deaths in January and February.

The influence of age seems also to be important, and was even more strongly marked. Of the one hundred and nine deaths in which the age was reported, seventy-six were of persons over fifty years of age, leaving only thirty-three under that age.

We find, then, that 16.81 per cent more females than males died from cancer in 1869; that the greatest proportion of these deaths occurred in the autumn and first winter month; and that more than three-fourths of them were of persons over fifty years of age.

If these several facts are found thus grouped together through a sufficient number of years to establish this collection of conditions as the general rule, it is believed that the evidence will be sufficient, taken in connection with what has already been worked out by the medical profession, to demonstrate the essential nature of cancer, and tend to place this dreaded malady within the class of preventable diseases.

*Cephalitis.*—By referring to Table IV, it will be seen that, from all causes, the percentage of deaths of males to total was 52.69. Comparing this with Table XIII, we find that the proportion of deaths of males from cephalitis was 1.29 per cent greater than the average. The difference between the percentages of the sexes is 7.97, while the average difference from all causes was 5.39.

The greatest number of deaths from this disease in any one month was thirty-eight, in September. The least numbers occurred in January, June, July, and November, corresponding, so far, with the mortality from all causes. The comparison holds so far that the disease would seem to result from a general, or at least an average cause, especially as from this disease alone there were not a sufficient number of deaths to control the general result.

The conditions of age are quite important, for of the 226 deaths, 146 were of children under five years of age. There were no deaths reported from this disease of persons aged over seventy.

*Croup.*—The sexes suffered from this disease about equally. The following "Exhibit A" gives the number and percentage of deaths in each month in the order of mortality, and is believed to be of sufficient importance to well repay a careful study. It is, perhaps, proper to acknowledge that the preconceived opinion of the compiler was in accordance with the evidence here presented,—that, in fact, it appears as the result of search on his part. Attention is also called to the fact that the coincidences of conditions which are here so marked, can-

not be found if the meteorological tables compiled from observations made at Lansing be used instead of the one from Monroe, which has been used in this instance. Nevertheless the subject appears to be well worthy of study hereafter, and the plan, or ground-work, is accordingly here laid out.

*EXHIBIT A, of the order of Greatest Mortality from Croup, by months, with some meteorological conditions connected therewith.*

MONTHS, 1869.		No. of Deaths.	Per cent. of Deaths.	Mean daily range of Temperature.	Relative humidity of Atmosphere.	Rain-fall in Inches.	Mean temperature, Fahrenheit.
More than average number of Deaths.	1. December .....	16	15.28	*9.00*	a.125	1.83	a81.05*
	2. September .....	11	10.47	a18.67*	.225	2.67	*68.55*
	3. August .....	10	9.52	a12.28*	a.125	1.45	*70.05*
	3. February .....	10	9.52	a11.57*	*.550	*3.25	a30.99*
	3. March .....	10	9.52	11.06*	*.325	2.25	a39.48*
	4. January .....	9	8.56	11.09*	.200	.50	33.30*
	4. October .....	9	8.56	11.90*	.050	.31	41.98*
	4. November .....	9	8.56	*8.90*	a.125	1.16	a33.17*
Less than average No. Deaths.	5. April .....	8	7.61	10.36*	a.350	*2.60	*46.59*
	6. May .....	5	4.76	9.26*	.625	5.61	57.45*
	6. June .....	5	4.76	*11.27*	a.600	5.45	a65.96*
	7. July .....	3	2.85	9.57*	.650	5.90	73.07*
Average .....		8.75	8.88	10.84*	.274	2.70	46.04

\* Exceptions. a Possible explanations of exceptions.

The evidence derived from this Exhibit is, first, that the meteorological conditions which existed at Monroe during the months in which there were the greatest number of deaths from this disease, were in marked contrast with the set of conditions observed during the months in which the least number occurred. There are so few exceptions to the general tendency

of the evidence that it seems difficult to avoid the conclusion that some of these conditions were the cause of death, if not the exciting cause of this disease. It will be noticed that the least number of deaths occurred in July, when the mean daily range of temperature was less than the average for the year, when the humidity of the atmosphere was greatest, the rainfall greatest, and the mean temperature higher than in any other month. The air then was warm, moist, and uniform in temperature, and the number of deaths from this disease in each month seems to have been in direct proportion to the absence of one or more of these conditions, although more closely connected with humidity than with either of the other two. This is partially made apparent by comparing July with August, which was third in order of mortality, and was next to the highest month in temperature, but the humidity was not one-half of the average, and the mean daily range of temperature was next to that of the highest month. The insufficiency of range of temperature alone, as a cause, is shown by a study of the conditions in November, when there were more than an average number of deaths, and the mean daily range for the month was the least in the year; but here again the humidity was slight, and the temperature was also low. The greatest number of deaths occurred in December, when the range of temperature was slightly less than the average, but the air was very dry and cold, the mean temperature for the month being  $31.05^{\circ}\text{F}$ . These observations are of out-door conditions, and it should be remembered that the capacity of air for moisture is much less when cold than when warm, so that cold air saturated with moisture, if heated, calls for more water, and will have it, even though it be taken out of our bodies. If the air be heated before breathing, there is some chance of its obtaining moisture from other sources, but if it be breathed cold, and heated by contact with the air passages while confined therein, it must take from them an unusual amount of moisture, tending to render them dry, parched.

and inflamed, if long continued. Croup is an inflammation of the tissues lining the air passages.

Consider, for a moment, some of the familiar conditions under which children in country residences have croup. During the day they are about the house breathing the air which has been heated, and in many cases quite liberally supplied with moisture from the kettles upon the stove, and, although they may have coughed a little the night before, the parents have no uneasiness until after the cooking has been done for the day, and the air beginning to lack moisture, a little one again begins to cough; perhaps not, however, until all have gone to bed, the fire out, and the crisp, cold air is breathed in, heated, and carries off with each expiration a great amount of moisture, and, depositing it upon the window pane, again returns for more, until finally the family are startled by the peculiar, dry, metallic, croupy cough. It is none too early then to rapidly build a fire, put on the tea-kettle, and perhaps send for the doctor.

*Diarrhea.*—This disease was fifth in order of greatest mortality, and resulted in the death of 295 persons, of whom there were thirty-one more males than females,—a difference of 10.45 per cent. The greatest number of deaths occurred in August, September, July, and October, in above order. In these four months there were 234 deaths, leaving only sixty-one to be distributed through the other months; the least number being two, in February. Two hundred and sixty-one, or 88 per cent of all the deaths, were of children under five years of age. The period of age between fifteen and twenty was most exempt from death by this cause, only one having been recorded.

*Diphtheria.*—Rather more than the average number of males died from this disease. The order of mortality for the four worst months was September, October, December, and March, which was the same as in first report. The number for these months was respectively, fourteen, twelve, ten, and nine. Fifty-

two per cent of all deaths were of children under five, and twenty-six per cent were between five and ten years of age. The death of only one person was recorded over forty years of age, this one being between fifty and sixty.

*Dysentery.*—A very large proportion of the deaths from this disease were of males, being 57.62 per cent. The order of greatest mortality was September, August, October, July, etc. In the four months mentioned there were respectively ninety-six, sixty-three, thirty-one, and twelve deaths, making two hundred and two, and leaving thirty-four to be distributed through the other months. Only two deaths occurred in February, and two in March. The deaths from this disease were not quite as closely confined to children as were those from diarrhea, although 79 per cent were of children under five years of age. The age at which the least number occurred was the same as for diarrhea—between fifteen and twenty, during which period less than one per cent of the deaths occurred.

*Measles.*—This disease also caused the death of many more males than females. The greatest proportion occurred in the latter part of winter and spring. The greatest number in one month was twenty-nine, in March. In 1868 the greatest number was also reported in March. In order to show whether or not the deaths from this disease depend mainly upon season, and the disease of itself not necessarily fatal if the surrounding conditions are properly regulated, a few years' time might suffice, if the question could be studied in connection with these statistics; and, in addition, we could have the number of cases of sickness from this disease.

*Scarlatina.*—This was sixth in the order of causes producing greatest mortality, and resulted in the death of 252 persons. The proportion of females was slightly greater than the average. It was most fatal in December, causing thirty-nine deaths, and next in March; then the order was April, October, September, June, January; in November fifteen deaths, and fourteen in each of the months of February, May, July, and



August. In the first Report in this State, the greatest number of deaths were in December, and in the second Report the number in this month was next to the greatest. So far as this goes, it indicates that the deaths are in some measure dependent upon conditions of season, and goes towards enforcing the value of the knowledge already established by the medical profession. During the general destruction and throwing off of the skin and lining membranes of the excretory organs, particularly of the kidneys, now known to be a source of danger in this disease, it is insisted that these organs should be helped as much as possible, that while the kidneys are in such bad condition the skin should relieve them and supplement their action to some extent, by increased excretion through perspiration. This cannot well occur in December without extra artificial aid, and as winter comes on it might, perhaps, be expected that more deaths would result. There are many things to be considered, however, and among them the greater liability to spread the disease at seasons of the year when children come most together, at school or at play. It is to be hoped that the time will soon come when the subject will appear of sufficient importance to induce the people to take measures to stop the spread of this disease by destroying the contagious matter, through the proper use of such effective agents as carbolic acid and fire.

*Typhoid Fever.*—A greater number of deaths were reported from this cause than from any other, except consumption. The number was 437. The proportion of the sexes was about the average. The greatest number of deaths in one month was 79, in October; the order of mortality, by months, was then, September, 76; August, 51; November, 45; December, 38, when the number was rapidly decreased, the least in one month being 16, in June. The age at which the greatest number died was during the period from twenty to thirty; next greatest number, between fifteen and twenty; then, under five years of age, but no period of age was entirely exempt.

*Whooping Cough.*—One hundred and fifty-eight deaths were reported from this cause. The difference in the percentages of the sexes was 1.90 more females than males, while the average from all causes was 5.39 more males than females. The greatest number in one month was 29, in September. The least number was 3, in January. All deaths except nine were of children under five years of age.

TABLE XIV—OCCUPATIONS.

*Exhibiting, by Classified Occupations, the Number, with the Aggregate and Average Ages, of all whose Occupations and Ages were Returned, of those who Died during the Year 1869, aged Twenty Years and over, Months and Days Excluded.*

CLASS.	OCCUPATIONS.	No. of Persons.	AGES.	
			Aggregate.	Average.
	All classes of occupations.....	1,868	94,741	50.85
I.	Cultivators of the Earth.....	951	58,195	55.98
II.	Active Mechanics Abroad.....	87	4,472	51.40
III.	Active Mechanics in Shops.....	97	4,812	49.80
IV.	Inactive Mechanics in Shops.....	54	2,965	54.90
V.	Laborers—No Special Trades.....	143	5,768	40.83
VI.	Agents, Laborers abroad, etc.....	47	1,855	44.16
VII.	Seafaring Men.....	24	988	39.08
VIII.	Soldiers.....	4	189	34.75
IX.	Business Men.....	87	3,900	48.67
X.	Professional Men, etc.....	55	2,654	48.25
XI.	Females.....	819	14,148	41.20
I.	Cultivators of the Earth.....	951	58,195	55.98
	Farmers.....	946	52,902	55.92
	Gardeners.....	5	298	58.60
II.	Active Mechanics Abroad.....	87	4,472	51.40
	Brickmakers.....	1	60	60.00
	Carpenters.....	66	3,311	50.16
	Masons.....	18	755	58.07
	Painters.....	6	304	50.66
	Stencil Cutters.....	1	42	42.00
III.	Active Mechanics in Shops.....	97	4,812	49.80
	Blacksmiths.....	23	1,167	58.04

TABLE XIV—CONTINUED.

CLASS.	OCCUPATIONS.	No. of Persons.	AGES.	
			Aggregate.	Average.
III.	Active Mechanics in Shops—(Continued).			
	Bolter Makers.....	8	115	38.88
	Brewers.....	4	162	40.50
	Button Makers.....	1	77	77.00
	Cabinet Makers.....	1	68	68.00
	Carriage and Wagon Makers.....	7	383	54.71
	Carvers.....	1	44	44.00
	Cooks.....	1	50	50.00
	Coopers.....	8	484	60.50
	Fillers.....	1	85	85.00
	Gunsmiths.....	1	62	62.00
	Locksmiths.....	1	82	82.00
	Machinists.....	4	149	37.25
	Mechanics.....	16	708	48.98
	Millers.....	18	678	51.76
	Millwrights.....	1	64	64.00
	Potters.....	2	120	65.00
	Pump Makers.....	2	90	45.00
	Sawyers.....	8	71	28.66
	Tinkers.....	1	65	65.00
	Trimmers.....	1	37	37.00
	Undertakers.....	1	47	47.00
	Upholsterers.....	1	35	35.00
	Weavers.....	1	74	74.00
IV.	Inactive Mechanics in Shops.....	54	2,965	54.90
	Barbers.....	1	21	21.00
	Cigar Makers.....	1	68	68.00
	Glove Makers.....	2	95	47.50
	Hatters.....	1	98	98.00
	Jewelers.....	2	108	54.00
	Saddlers and Harness Makers.....	3	145	48.33

TABLE XIV—CONTINUED.

CLASS.	OCCUPATIONS.	No. of Persons.	Ages.	
			Aggregate.	Average.
IV.	Inactive Mechanics in Shops—(Continued).			
	Shoemakers.....	23	1,554	55.50
	Tailors.....	16	896	55.87
V.	Laborers—No Special Trades.....	143	5,768	40.32
	Copper Washers.....	1	24	24.00
	Laborers.....	120	4,985	41.12
	Laborers on Railroad.....	4	154	38.50
	Mill Hands.....	1	27	27.00
	Miners.....	11	419	38.09
	Quarrymen.....	1	30	30.00
	Raftsmen.....	2	59	29.50
	Railroad Repairers.....	1	33	33.00
	Well Diggers.....	2	97	48.50
VI.	Agents, Laborers abroad, etc.....	42	1,855	44.16
	Agents.....	2	98	49.50
	Baggage Masters.....	1	29	29.00
	Butchers.....	4	164	41.50
	Deputy Sheriffs.....	1	35	35.00
	Draymen.....	1	26	26.00
	Engineers.....	7	272	38.85
	Fishers and Hunters.....	1	35	35.00
	Hack Drivers.....	1	45	45.00
	Hotel Runners.....	1	37	37.00
	Hunters.....	2	140	70.00
	Hunters and Farmers (Indian).....	1	57	57.00
	Indian Chiefs.....	1	98	98.00
	Lumbermen.....	5	267	53.40
	Mine Captains.....	1	54	54.00
	Musicians.....	1	24	24.00
	Peddlers.....	1	23	23.00
	Policemen.....	1	44	44.00

TABLE XIV—CONTINUED.

CLASS.	OCCUPATIONS.	No. of Persons.	AGES.	
			Aggregate.	Average.
VI.	Agents, Laborers Abroad, etc.—(Continued):			
	Railroad Conductors.....	1	88	88.00
	Revenue Officers.....	1	46	46.00
	Selling Fruit Trees.....	1	80	80.00
	Teamsters.....	5	218	43.60
	Veterinary Surgeons.....	3	86	43.00
VII.	Seafaring Men.....	24	988	89.08
	Fishermen.....	7	271	88.71
	Sailors.....	17	667	89.28
VIII.	Soldiers.....	4	189	84.75
	Captains.....	1	68	68.00
	Soldiers.....	3	76	25.33
IX.	Business Men.....	87	3,900	48.67
	Auctioneers.....	1	59	59.00
	Bankers.....	1	28	28.00
	Boarding House Keepers.....	1	45	45.00
	Book-keepers.....	5	181	36.20
	Builders.....	1	76	76.00
	Clerks.....	9	241	26.77
	Druggists.....	1	25	25.00
	Foundry Proprietors.....	1	57	57.00
	Furniture Dealers.....	1	61	61.00
	Grocers.....	7	302	43.14
	Hotel Keepers.....	9	488	48.11
	Jobbers.....	1	49	49.00
	Lumber Dealers.....	2	140	70.00
	Lumber Manufacturers.....	2	60	30.00
	Manufacturers.....	1	59	59.00
	Merchants.....	27	1,216	45.08
	Mill Owners.....	1	64	64.00

TABLE XIV—CONTINUED.

CLASS.	OCCUPATIONS.	No. of Persons.	AGEs.	
			Aggregate.	Average.
<b>IX.</b>	<b>Business Men—(Continued).</b>			
	Real Estate Agents.....	2	110	55.00
	Retired Gentlemen.....	1	77	77.00
	Railroad Contractors.....	1	86	86.00
	Railroad Secretary and Treasurer.....	1	49	49.00
	Saloon Keepers.....	7	308	43.98
	Speculators.....	1	45	45.00
	Telegraphers.....	2	58	29.00
	Tobacconists.....	1	26	26.00
<b>X.</b>	<b>Professional Men, etc.</b> .....	55	2,654	48.35
	Artists.....	1	30	30.00
	Catholic Priests.....	2	106	53.00
	Circuit Judges.....	2	116	58.00
	Clergymen.....	11	634	56.71
	Editors.....	1	46	46.00
	Justices of the Peace.....	1	54	54.00
	Lawyers.....	11	580	48.18
	Physicians.....	15	667	57.80
	Sculptors.....	1	30	30.00
	Students.....	5	105	21.00
	Teachers.....	5	146	29.20
<b>XI.</b>	<b>Females</b> .....	819	14,148	41.39
	Cabinet-makers' Wives.....	1	40	40.00
	Carpenters' Wives.....	1	33	33.00
	Coopers' Wives.....	1	42	42.00
	Employed on Lake.....	1	68	68.00
	Farmers' Wives.....	118	5,528	46.89
	Housekeepers.....	140	6,328	44.45
	Housework.....	7	327	46.71
	Laborers.....	6	275	45.83
	Mechanics' Wives.....	1	29	29.00

TABLE XIV—CONTINUED.

CLASS.	OCCUPATIONS.	No. of Persons.	Ages.	
			Aggregate.	Average.
XI.	Females—(Continued).			
	Merchants.....	1	88	88.00
	Merchants' Wives.....	2	94	47.00
	Milliners.....	3	76	25.33
	Physicians' Wives.....	1	72	72.00
	Sawyers' Wives.....	1	28	28.00
	Seamstresses.....	6	289	48.16
	Servants.....	2	48	21.50
	Stage-drivers' Wives.....	1	25	25.00
	Straw Workers.....	1	27	27.00
	Teachers.....	19	451	23.73
	Weavers.....	6	445	74.16

The returns compiled in Table XIV were not yet perfect. Subtracting from the whole number of deaths all those under twenty years of age, and all whose age was unknown, and there remain 3,965 cases in which the occupation might have been given, while it was given in only 1,863 cases, or of less than one-half of all persons who were reported as having died at and above the age of twenty years. The information to be derived from this table is valuable, notwithstanding, and there is reason for congratulation that in this Report the occupation is given in a greater proportion of cases than in the Report for 1868 for Massachusetts, where they have collected statistics for twenty-seven years.

The average age of all, twenty and over, whose occupations and ages were returned, was 50.85 years. This is only .28 of a year different from the average in Massachusetts for twenty-five years and eight months, ending December 31st, 1868, that average being 50.57. If other things were equal, this would



indicate that the death-rate of persons aged twenty and over was about the same in this State as in Massachusetts, while the fact is that if the population of Massachusetts for 1868 be estimated at 1,289,200, as given on page 65 of their Report for that year, and the percentage of deaths reported of persons twenty and over, be taken, it will be found to be about three times as great as the percentage of deaths of persons at corresponding ages reported in this State in 1869, using as a basis of calculation the estimated population in 1869, found by subtracting thirty thousand from that of June, 1870, as at page 59 of this Report. There may be several explanations of this discrepancy, among which may be mentioned, first, the fact that the occupation is not given, in either State, in one-half the cases in which it might be; secondly, the probability that in this State the records of mortality are not yet quite as closely collected as they are in Massachusetts, and if so, the death-rate in this State is accordingly low; thirdly, the population being largely made up of people from other States, and young people more likely than old to leave their homes and go to a new State, there is a smaller proportion of old people in the population,—the average age of the people is probably less than in Massachusetts. Again, the death-rate is low because the most vigorous of the young people tend to settle in new States. And, finally, the rate is low, it is believed, because the climatic and other natural conditions for life and longevity are as good in this State as in any other State, territory, or country. Although lying, in great part, north of the isothermal line, which has been pointed out as the most favorable to human prosperity, the large bodies of water which surround the Lower Peninsula, except on the south, render the atmosphere much more uniform as regards humidity and temperature, than it would be otherwise, or than it is in other places. In the light of what appears in this Report (pp. 62, 96, and 97) regarding the connection between mean daily range of temperature and the death-rate, this fact seems to be of more

importance than would at first appear. The reports of vital statistics of other States have not generally shown, in connection with the death-rate, the mean daily range of temperature. In Massachusetts, where vital statistics have been systematically and carefully kept for twenty-eight years, if this point had been considered, the question of its influence might, so far as that State is concerned, have been long since decided.

It will be seen that more than one-half of the whole number whose occupations and ages were given, were cultivators of the soil. The average age of these 951 persons was 55.93 years,—the highest average of all the classes. The order was then, inactive mechanics in shops, 54.90; active mechanics abroad, 51.40; active mechanics in shops, 49.60; professional men, 48.25; agents, laborers abroad, etc., 44.16; business men, 43.67; females, 41.20; laborers, 40.32; sea-faring men, 39.08; soldiers, 34.75.

In Class I, the gardeners lived to a greater age than the farmers, by three years. Among the active mechanics abroad was one brickmaker aged 60. The masons lived next longest, their average age being 58.07. In other Classes there were long-lived individuals in several occupations, for instance: one hatter aged 93; button maker, 77; weaver, 74; one Indian chief, 93; two hunters averaged 70; one Indian, hunter and farmer, 57. Of the laborers, well-diggers averaged the longest lived, and they only 48.50 years. Professional men were the fifth class in the order, averaging 48.25 years. This was made low by including the students and teachers. If only the three professions of Divinity, Law, and Medicine be taken, the average would be 54.70,—about equal to the inactive mechanics in shops,—while physicians alone averaged older than any one of the classes, being 57.80 years, a higher average than any other employment in which so large a number was reported. Business men, as a class, were a little over seven years short of the average. Several individuals, however, were quite old. One retired gentleman was 77; builder, 76; lumber dealer, 70.

TABLE XV—CONTINUED.

CAUSES OF DEATH.	STATE.	COUNTIES.																			
		Alcona.	Allegan.	Alpena.	Antrim.	Barry.	Benzie.	Berrien.	Branch.	Calhoun.	Casa.	Charlevoix.	Cheyegan.	Chippewa.	Clinton.	Delta.	Kalam.	Kemnet.	Genesee.	Ed. Travers.	
(Class IV. Order 1—Developmental Diseases of Children.																					
Totals.....	278		2	4	4	6	8	1	4	15	8	2	2	3	2	1	2	1	2	1	2
1. Still-born.....	129	1	1	1	5	5	1	1	1	10	9	1	1	1	1	2	1	2	1	1	1
2. Premature Birth and Infantile Debility.....	51		4	4	1	1		2	8								1	2	5	2	2
3. Cyanosis.....	2																				
4. Spina Bifida.....	2																				
5. Other Malformations.....	4					1		1													
6. Teething.....	85	1	1	1		2			2	1					1					1	
(Class IV. Order 2—Developmental Diseases of Women.																					
Totals.....	180	2	2	2	2		8	5	9	2	2				4		2		6		6
1. Puerperia.....	2														1						
2. Child-birth.....	198	2	2	2	2		8	5	9	2	2				3		2		6		6

## DEATHS.

127

CLASS IV. ORDER 3—Developmental Diseases of Old People.	210	7	1	8	2	10	8	7	4	1	6	4	12	1
1. Old Age.....														
CLASS IV. ORDER 4—Diseases of Nutrition.	101			2	2	2	2	1	1		1	1	1	
1. Atrophy and Debility.....														
CLASS V. ORDER 1—Accident or Negligence.	247	6	2	9	4	7	2	6	8	1	4	5	7	1
Totals.....	25	1		1	1	1	1	2					1	
1. * Fractures and Contusions.....	16			1										
2. Wounds.....	68	8	1	2		2	2	8			1	2	4	
3. Burns and Scalds.....	16				1	1	1				1			
4. Poison.....	96	2	1	8	8	2	1	1	1		1	8	2	1
5. Drowning.....	25			2		1	1	1			1			
6. Suffocation.....	6				1									
CLASS V. ORDER 3—Homicide.....	28			1	1	1	1				1			
CLASS V. ORDER 4—Suicide.....	192	8		8	4	2	8	6	3	1	1	5	1	2
CLASS V. ORDER 6—Violent Deaths, not classed above.....	1													
Sudden—cause unknown.....	1,281	28	1	2	20	16	4	20	22	21	19	20	25	9
+ Causes not specified.....										2	28			

\* Including 19 by railroad accidents. † Including 15 from Hemorrhage, 95 from Inflammation, and 20 from Throat Disease.





### THIRD REGISTRATION REPORT.

**TABLE XV—CONTINUED.**

CAUSES OF DEATH.	COUNTIES.																					
	Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Jackson.	Kalamazoo.	Kent.	Keweenaw.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Macon.
IV.—1. Dev. Diseases of Children.....		8	7	2	5	8	2	2	7	17	2	2	1	3	4	1	5	2	1	2	1	2
2. Dev. Diseases of Adults.....	1	3	2	2	1	1	1	4	1	4	1	2	4	3	1	2	1	2	1	2	1	2
3. Dev. Diseases of Old People.....	2	9	8	9	5	2	1	8	6	18	4	1	9	6	14	1	2	1	2	1	2	1
4. Diseases of Nutrition.....	1	8	1	1	1	1	1	11	2	2	3	1	2	1	8	1	2	1	2	1	2	1
V.—1. Accident or Negligence.....	5	4	6	4	8	9	1	10	6	7	9	1	8	1	9	1	2	1	2	1	2	3
2. Battle.....																						
3. Homicide.....										1			1									
4. Suicide.....									1	5	1							2				
5. Execution.....																						
6. Violent Deaths, not classed.....	2	5	7	2	4	1	2	1	3	8	6	8	2	9	1	2	1	2	1	2	1	8
Sudden Deaths (cause unascertained).....									1													
Causes not Specified.....	18	25	6	81	87	13	8	19	29	81	17	18	29	12	28	9	87	5	87	5	87	5

## DEATHS.

131

## CLASS I. UNDER 1—MISCELLANEOUS.

Totals.....	28	59	41	12	69	56	4	7	63	60	93	24	10	72	82	59	19	89
1. Smallpox.....	—	—	—	8	—	—	—	—	—	—	2	—	—	—	—	6	1	—
2. Measles.....	—	—	11	1	1	8	—	—	2	8	—	1	—	—	3	8	1	4
3. Scarlatina.....	3	1	5	—	24	8	—	—	8	4	15	12	—	17	—	10	—	6
4. Diphtheria.....	—	—	4	—	1	—	—	1	4	2	4	—	—	1	1	3	—	2
5. Quinsey.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. Croup.....	—	—	10	1	4	1	1	—	5	3	5	—	—	1	1	6	1	4
7. Whooping Cough.....	—	8	—	—	4	2	—	—	4	6	2	3	2	2	2	1	—	2
8. †Typhus.....	13	40	—	8	12	28	—	2	24	13	36	4	1	15	15	15	8	15
9. Erysipelas.....	2	1	—	—	4	2	1	—	—	1	5	—	—	1	1	2	—	1
10. Metria (Puerperal Fever).....	—	—	—	1	8	—	—	—	—	—	1	—	1	1	—	—	—	—
11. Carbuncle.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—
12. Influenza.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13. Dysentery.....	3	2	7	—	6	6	2	4	2	5	2	1	2	3	2	—	2	1
14. Diarrhea.....	3	4	—	3	2	2	—	—	3	7	16	—	3	4	—	5	2	4
15. Cholera Infantum.....	1	3	—	1	—	—	—	—	5	7	3	1	—	14	2	1	1	1
16. ‡Cholera.....	—	—	—	—	2	—	—	—	1	—	—	—	—	5	—	—	1	—
17. Ague.....	—	2	—	—	4	4	—	—	2	6	1	2	—	4	1	2	2	2
18. Remittent Fever.....	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
19. Rheumatism.....	—	1	—	—	—	5	—	—	3	3	1	—	—	4	—	—	—	—

\* Including 15 from Hemorrhage, 28 from Inflammation, and 29 from Throat Disease. † Including 437 from Typhoid Fever, 248 from Fever, 41 from Bilious Fever, and only 9 reported from Typhus. ‡ Including 21 from Cholera Morbus.





3. Cancer.....	6	2	8		1	8	7												
4. Noma.....	2		1	8							2	4		1					
5. Mortification.....											2	1			1				
CLASS II. ORDER 2.—Tubercular.																			
Totals.....	9	88	6	9	43	63	3	6	39	32	39	20	4	44	22	39	5	10	9
1. Scrofula.....		2			3	3		1	1		1					1			
2. Tuberc Mesenterica.....					4														
3. Phthisis (Consumption of Lungs).....	9	81	6	9	35	57	3	5	36	32	36	20	4	43	22	36	5	10	9
4. Hydrocephalus.....					1	3													
CLASS III. ORDER 1—Nervous System.																			
Totals.....	4	22	9	3	22	22	1	4	31	45	47	10	1	32	9	26	4	13	3
1. Cephalitis.....	1	5			2	6	1	1	8	7	10	2		4	3	3	2	4	
2. Apoplexy.....		1			1					2	4	1		1	1	3		1	
3. Paralysis.....		5			5				6	5	8	4		6	2	3		2	
4. Insanity.....										6	2			1		1			
5. Epilepsy.....						1				3	2						1		
6. Tetanus.....									1										
7. Convulsions.....									1		1								
8. Brain Diseases, etc.....	2	7	9	3	5	7		1	4	11	11	2		10		6	1	4	1
9. Brain Diseases, etc.....	1	4			9	8		2	12	11	9	1	1	10	3	10		2	2
CLASS III. ORDER 2—Organs of Circulation.																			
Totals.....	2	12	3	1	6	9			5	10	12	4	3	13	11	5	1		
Pericarditis.....		1							1	1	2			2		1			



[illegible]



## CLASS IV. ORDER 3—Dev. Dis. of Women.

Totals.....	1	3	2	3	2	1	1	4	1	2	4	8	1	2
1. Puerperia.....	1	1												
2. Child-birth.....	1	2	2	3	2	1	1	4	1	2	4	3	1	2
CLASS IV. ORDER 3—Developmental Dis. of Old People.														
1. Old Age.....	2	9		3	9	5	2	1	6	13	4	1	9	6
CLASS IV. ORDER 4—Diseases of Nutrition.														
1. Atrophy and Debility.....	1		3	1				11	2		3	1	2	
CLASS V. ORDER 1—Accident or Negligence.														
Totals.....	5	4	6	4	3	9	1	10	6	7	9	1	6	3
1. * Fractures and Contusions.....	1				1	1		1	2				2	1
2. Wounds.....	2	1		1			1		1		1		1	
3. Burns and Scalds.....	3	1	4	1	1			2	1	4	2		8	2
4. Poison.....					1	1		1	1	1	1			1
5. Drowning.....	1	2	2		5			2		2	3	1	1	1
6. Suffocation.....					2			4	1		2		1	1
CLASS V. ORDER 3—Homicide.									1				1	
CLASS V. ORDER 4—Suicide.								1	5	1			2	
CLASS V. ORDER 6—Violent Deaths, not classed above.....	2	8	7	2	4	1	2	1	2	8	6	3	2	9
Sudden—cause unknown.....									1					
† Causes not specified.....	13	37	25	6	31	37	13	3	19	29	81	17	13	29
												23	9	87

\* Including 15 from Hemorrhage, 98 from Inflammation, and 20 from Throat Disease.

† Including 10 by railroad accidents.



II.—1. Diabetic Diseases.....	4	1	15	8	2	14	3	1	11	10	1	7	9	9	8	17	51	1			
2. Tubercular Diseases.....	6	1	34	16	11	2	32	5	2	1	30	41	8	19	42	35	13	38	48	182	2
III.—1. Diseases of Nervous System.....	2	4	30	7	14	6	28	12	3	1	19	36	6	11	23	19	8	11	24	170	—
2. Diseases of Organs of Circulation.....	4	1	15	—	2	—	5	2	1	—	8	13	3	6	11	5	1	6	7	33	—
3. Diseases of Respiratory Organs.....	1	—	23	5	16	9	22	7	—	—	15	30	2	10	10	12	3	13	12	64	—
4. Diseases of Digestive Organs.....	—	1	4	6	4	—	9	3	1	1	13	12	3	6	6	13	6	9	7	35	1
5. Diseases of Urinary Organs.....	—	—	2	1	1	—	7	1	—	—	2	1	—	4	2	—	3	4	4	7	—
6. Diseases of Generative Organs.....	—	—	—	—	—	—	—	1	—	—	1	—	—	1	—	—	—	—	—	—	—
7. Diseases of Organs of Locomotion.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—
8. Diseases of Integumentary System.....	—	—	1	—	—	—	8	—	—	—	2	1	—	4	2	—	—	4	3	—	—
IV.—1. Dev. Diseases of Children.....	1	1	7	—	1	1	5	—	2	—	15	25	1	4	8	4	2	7	2	70	—
2. Dev. Diseases of Adults.....	1	1	4	1	2	1	4	1	2	1	2	12	3	4	5	3	2	1	4	14	—
3. Dev. Diseases of Old People.....	2	1	16	7	4	1	19	1	1	—	8	18	5	5	6	12	3	9	9	32	—
4. Diseases of Nutrition.....	—	—	1	—	1	—	—	—	—	—	5	6	1	1	3	5	—	1	—	37	—
V.—1. Accident or Negligence.....	2	2	7	3	4	2	10	1	2	—	4	8	1	8	11	8	—	5	4	21	—
2. Battle.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. Homicide.....	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1	—
4. Suicide.....	—	—	1	—	1	—	—	—	—	—	2	1	—	—	—	—	1	1	1	1	—
5. Execution.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

\* Including Still-born.









1.	Apoplexy.....	1		1	2	6		2	2	2			0	1	1	4
2.	Paralysis.....	2				4	1		2			1	1	8	1	8
3.	Insanity.....					2			1							8
4.	Epilepsy.....	1								1						2
5.	Tetanus.....											1				1
6.	Convulsions.....		5	4	0	1	7	2	1	5	12	2	2	6	4	57
7.	Brain Diseases, etc.....	1	8	14	2	8	8	6	1	1	7	7	2	4	2	48
<b>CLASS III. ORDER 2—Organs of Circulation.</b>																
Totals.....	4	1	15		2		5	2	1		8	12	3	6	11	32
1.	Pericarditis.....	1					1				1	1		1		1
2.	Heart Disease, etc.....	3	1	15		2	4	2	1		2	12	3	5	10	31
<b>CLASS III. ORDER 3—Respiratory Organs.</b>																
Totals.....	1		23	5	16	9	22	7		19	30	2	10	10	12	64
1.	Laryngitis.....														1	
2.	Bronchitis.....				2		1	1						1		2
3.	Pleurisy.....						1				1					1
4.	Pneumonia.....	1	19	5	13	8	19	5		11	23	1	9	8	5	40
5.	Asthma.....		8								1	1				2
6.	Lung Diseases, etc.....		1		1	1	1	1		6	5	1	1	6	3	19
<b>CLASS III. ORDER 4—Digestive Organs.</b>																
Totals.....	1	4	6	4			9	3	1	1	18	12	3	6	18	85
1.	Gastritis.....										1					1



[illegible]

\* Including 17 from Tumor.

TABLE XV—CONTINUED.

CAUSES OF DEATH.	COUNTIES.													
	Meeker.	Menominee.	Midland.	Monroe.	Montcalm.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ontonagon.	Oscoda.	Ottawa.	Baginaw.	Shlawassee.
5. Other Malformations.....													1	
6. Teething.....				1						1		5	8	1
CLASS IV. ORDER 2—Developmental Dis- eases of Women.														
Totals.....	1	1		4	1	2	1	4	1	2	1	2	12	4
1. Paramecia.....														5
2. Child-birth.....														2
CLASS IV. ORDER 3—Developmental Dis- eases of Old People.														
1. Old Age.....	2		1	16	7	4	1	19	1	1		4	13	5
CLASS IV. ORDER 4—Diseases of Nutrition.														
1. Atrophy and Debility.....				1		1						5	6	1
CLASS V. ORDER 1—Accident or Negligence.														
Totals.....	2		2	7	8	4	2	10	1	2		4	4	1
1. * Fractures and Contusions.....								2						

1. \* Fractures and Contusions.

[illegible]

\* Including 19 by Railroad Accident.

+ Including 15 from Hemorrhage, 96 from Inflammation, and 20 from Throat Disease.



*Remarks on Table XV, and hints designed to aid in its analysis.*—The plan of classification is the same as in previous reports, being the one in most general use in this and other countries. A new and uniform system of classification, it is believed, would greatly facilitate the advance of knowledge in this direction; but while other States hold to this plan, it is only by so doing that we can make comparisons with them. No extensive comparisons between this and other States can yet be made to good advantage, because of the extremely slight attention which this subject has received in this State. Of the States whose reports are at hand, Massachusetts is, perhaps, the one most favorable for this purpose, having, so far, furnished the model vital statistics, after which other States have copied to a great extent. By this classification, all deaths from specified causes are finally arranged in five classes, and the number of deaths from each, in the State, and in each county, is shown in the table. The classes are made up of orders, and the orders of the specified causes of death. The method of analysis and comparison should be the same in each case, but will, this time, only be applied to the classes, and with them, only extend to divisions of the State. The proportion of deaths from each class for 1869, and the average of all yet reported, and comparisons with the same classifications in Massachusetts, will be seen by the following:

## EXHIBIT B.

*Percentage of Deaths from each Class of Causes to Deaths from all Specified Causes, in this State, for the year 1869, for Two and Three-quarters years, ending with 1869, and in Massachusetts for Five years ending with 1868, and Comparisons between the same.*

CLASSES.	Mass.—5 years, ending with 1868.	Mich.—2½ yrs, ending with 1869.	Mich.—1 year, 1869.	Excess in Mass. over average for 2½ years in Mich.	Ex's over Mass. of av'ge for 2½ years in Mich.	Ex's over Mich. in 1869, of av- erage for 5 yrs in Mass.	Excess in Mich., 1869, over av- erage 5 years in Mass.
I—Zymotic Diseases.....	28.14	29.80	31.95	.....	.66	.....	3.51
II—Constitutional Diseases...	25.08	22.27	22.06	2.81	.....	8.08	.....
III—Local Diseases.....	26.04	31.07	29.68	.....	5.08	.....	3.64
IV—Developmental Diseases.	16.47	11.46	10.85	5.01	.....	6.12	.....
V—Violent Deaths.....	4.27	6.89	5.95	.....	2.12	.....	1.65

The difference shown here between the two States is no greater than between different years in Massachusetts, although it is, perhaps, in a little different direction. So far as this comparison goes, it will be seen that in Massachusetts a greater proportion of deaths occurred from constitutional and developmental diseases. (What special diseases are included in these classes, can be seen by referring to the table. Consumption is the principal one in Class II, and old age and still-births in Class IV.) In this State a greater proportion of deaths occurred from zymotic and local diseases, and from violence. The difference between the two States is not as great as we shall find between different parts of our own State; as might be expected, when it is remembered that between the northern and southern parts of Michigan the difference in latitude is as great as it is between the northern part of Maine and the southern part of Massachusetts. In order to make some slight use of the very favorable conditions existing in this State for studying the causes of death, the State has been divided into eleven geographical divisions, in each of which some of the conditions are obviously different from those of

any other division. Geological and topographical differences, although of great importance, cannot, in this report, receive the time and attention deserved. The coming report of the State Geologist will doubtless contain much more of value in this connection, and will furnish material with which the future compiler of these vital statistics can, if provision be made for it, trace much more closely the conditions and causes of death in the several geographical divisions. Some other division of the State, based upon surface formation, water supply, soil, and vegetable products, should also yield valuable knowledge in connection with these statistics; in fact, there is here a vast field, as yet untilled and barren, which a very small outlay should render productive of much good to the people. The following are the divisions here adopted, and the counties embraced in each: Upper Peninsula—Includes all the counties there from which returns were received. Northwestern—Includes counties of Benzie, Grand Traverse, Leelanaw, Manistee, and Wexford. Northern—Includes Antrim, Charlevoix, Cheboygan, and Emmet. Northeastern—Includes Alcona, Alpena, and Iosco. Western—Includes Kent, Mason, Muskegon, Nawaygo, Oceana, Osceola, and Ottawa. Northern Central—Isabella, Mecosta, and Midland. Central—Barry, Clinton, Eaton, Genesee, Gratiot, Ingham, Ionia, Livingston, Montcalm, and Shiawassee. Bay and Eastern—Bay, Huron, Lapeer, Saginaw, Sanilac, St. Clair, and Tuscola. Southwestern—Allegan, Berrien, Cass, and Van Buren. Southern Central—Branch, Calhoun, Hillsdale, Jackson, Kalamazoo, Lenawee, St. Joseph, and Washtenaw. Southeastern—Macomb, Monroe, Oakland, and Wayne.

All these divisions, except the three central, are bordered on at least one side by water, but there is great diversity in the relative position of the land and water. The death-rate from all causes, and the proportion of the deaths from each class of causes to the total from all specified causes, in each of these divisions, is here shown:

## EXHIBIT C.

*Percentage of Deaths, from all causes, to Population, and Per Cent of Deaths from each Class of Causes to Deaths from all Specified Causes, for the State, and for eleven Geographical Divisions of the State, during the year 1869.*

STATE AND GEOGRAPHICAL DIVISIONS.	Per cent of all Deaths to Pop- ulation in 1870.	Class I—Zymot- ic Diseases.	Class II—Con- stitutional Diseases.	Class III—Local Diseases.	Class IV—De- velopmental Diseases.	Class V—Vio- lent Deaths.
State.....	.775	31.98	22.05	29.68	10.85	5.95
Upper Peninsula Division.....	.581	40.72	10.56	25.88	12.67	10.40
Northwestern        ".....	.682	37.09	17.74	28.22	8.06	8.06
Northern             ".....	.914	28.88	15.55	37.77	11.11	6.66
Northeastern        ".....	.705	44.18	11.68	11.68	20.98	11.63
Western              ".....	.773	84.64	16.60	32.94	10.59	5.22
Northern Central    ".....	.700	36.47	28.52	28.52	8.28	8.28
Central              ".....	.726	30.02	25.41	30.23	8.79	5.51
Bay and Eastern     ".....	.709	36.18	19.65	25.04	11.92	7.15
Southwestern        ".....	.660	81.66	24.43	30.19	7.72	5.75
Southern Central    ".....	.685	29.11	24.80	31.51	8.88	6.17
Southeastern        ".....	.942	30.77	21.52	29.64	18.28	1.92

There is here shown to have been during the year 1869 no very marked difference in the mortality from all causes in these several divisions. Between the one having the greatest and the one having the least mortality, there was, however, a difference of .257 of one per cent, or a little less than twenty-six in ten thousand.

In calculating the percentage of each class, the deaths from specified causes only were used. The number of such deaths in the State was 7,863, as will be seen at the head of Table XV. The percentage of deaths from each class to this whole number in the State is first given in Exhibit C. It will at once be seen that in the Upper Peninsula the proportion of the several classes was in marked contrast to that of the whole State,—the proportion of zymotic diseases being about 9 per cent greater

than the average; of constitutional diseases, about one-half the average; of local diseases, about 4 per cent less; developmental diseases, about 2 per cent more, and of violent deaths, nearly twice the average in the State. The division most dissimilar to the average was the Northeastern, where, as will be readily seen from the exhibit, there was no correspondence whatever with the rest of the State in any class of diseases.

The facts appear to be demonstrated that were anticipated when these divisions were planned, viz: That, as the climatic and other conditions were different in each division, the apparent causes of mortality were different, and there is a certain correspondence of the results in localities having similar conditions. Although the task is a long one, and only a glimpse is given here, the way is perfectly plain by which we may, if we choose, search out the localities where the least number die from any given disease, and those suffering from that disease may thus be enabled to seek the most favorable places. Not only this, but the conditions existing in situations where the greatest number of deaths occur from given diseases may be ascertained, and possibly controlled, or at least avoided. For instance, we find that in the Upper Peninsula in 1869 the proportion of deaths from constitutional diseases, such as cancer, consumption, scrofula, etc., was only about one-half the average for the State; while, on the other hand, the proportion of such diseases as measles, scarlatina, typhoid fever, dysentery, and cholera infantum exceeded the average. This is a favorable showing for the Upper Peninsula, so far as the natural conditions are concerned, for a great proportion of the deaths from this latter class of diseases might, with proper knowledge and effort, be prevented. The excess of violent deaths was probably connected with the occupations of the people, and need not affect those who go there for other than mining or dangerous employments. Whether or not this was an exceptional year remains to be seen. To which of the diseases in each class was due the reduction or increase of its proportion, there does not remain time to examine; but the table includes the data by means of which the facts can be determined, and the manner of doing this, by percentages and comparisons, has been indicated,



TABLE XVI—CONTINUED.

MONTHS.												DEATHS.		CAUSES OF DEATH.	AGES.														
Sex.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Sex.		Total.														
													Males.			Females.	Unknown.												
Females.								1		2	2	2		7	7	7	Abortion.....				1	4	1					1	
Males.		1	1	1	1	1	1		1		2	1	10				Abscess.....		1			8	2	1	1	1		1	
Females.	1								2		1	1		5	15		".....			1		3			1				
Males.											1		1				Abscess of Leg.....			1									
Females.																	".....												
Males.			2					1			1			4			Abscess of Liver.....				1		3						
Females.					1	1					1			8	7		".....			1		2						1	
Males.			1											2			Abscesses of Lungs.....						2						
Females.																	".....												
Males.							1							1			Anemia.....												
Females.																	".....												
Males.	3	1	1	4	3	3	6	3	4	4	6	3	40				Apoplexy.....		9	9				3	5	7	13	6	1

Females...	4	1	1	4	3	1	2	2	2	5	26	45	Apoplexy.....	1	1	1	6	4	4	6	2	1			
Males...				1							1		Arthritis.....			1									
Females...												1	".....												
Males...						1					1		Asphyxia.....						1						
Females...												1	".....												
Males...	1	1	2	4	1		2	2	2	3	20		Asthma.....				2	3	10	4	1				
Females...		1					1		2		4	24	".....				1	1	1	1					
Males...		1	1	1	1	4	2	6	3	1	23		Bowel Disease.....	18	1	1	2	3	1		2				
Females...	1	2	1	1	1	2		5	4	1	22	45	".....	7	1	2			4	8					
Males...	1									2	5		Bronchitis.....	2			2		1						
Females...		2	1			1	2				6	11	".....	1			3		1		1				
Males...	5	6	7	13	7	8	7	11	16	11	111		Brain Disease.....	79	7	4	2	2	8	5	2	4	1	2	
Females...	6	2	13	9	5	10	13	12	4	4	98	204	".....	66	6	4	8	5	1	4	2		2		
Males...		1	1							1	8		Brain Softening.....	1			1			1		1			
Females...							1				1	4	".....	1											
Males...	2	2		4	2		2	1		2	23		Burns and Scalds.....	21											
Females...	1	5	3	4	2	5	6	4	2	7	46	65	".....	29	10	2	2				1				
Males...	1	2	3	5	7	6	2	5	6	4	47		Cancer.....	2	1	1	2	4	9	9	5	6	8		
Females...	3	1	6	5	5	6	8	2	7	10	68	118	".....	4	1		3	6	7	13	15	8	1		
Males...									1		1		Carbuncle.....							1					
Females...												1	".....												
Males...	15	11	11	10	9	13	10	22	13	12	149		Casualty.....	17	6	8	15	25	24	14	6	3	2	2	





	2	3	1	1	6	10	18	5	1	45	108 Cholera Infantum.	45	
Females.													
Males.					5	6	4	1		16	Cholera Morbus.	6	1
Females.										5	"	1	1
Males.	1	1	1	1						5	Cold.	4	
Females.					1	1			2	5	"	2	1
Males.							1	1		2	Colic.	2	
Females.			1	1	1	1	2			5	"	8	1
Males.			1	1	1					8	Colic Bilious.	1	1
Females.										1	"		1
Males.	1	4	3	2	4	6	9	2	3	85	Congestive Chille.	18	2
Females.	1	2	4	2	4	4	14	1	5	48	7s "	11	4
Males.											Constipation.		
Females.										1	"		1
Males.	28	34	54	57	51	44	53	48	84	70	Consumption.	56	18
Females.	34	31	53	65	59	52	59	78	68	65	"	54	2
Unknown										1	"	1	
Males.	5	4	1	5	1	8	6	3	1	4	Convulsions.	34	2
Females.		2	4	2	1	3	1	4	6	2	"	26	
Males.											Convulsions Puer.		
Females.	1		1								"	2	
Male.	2			1	1	8	1	2	1	2	Cramps.	17	1
Females.	1	4	1	3	2	2				16	"	18	1

TABLE XVI—CONTINUED.

MONTH 3.													DEATHS.		CAUSES OF DEATH.	AGES.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Sex.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Sex.			Total.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
													Males.	Females.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Males.	4	5	3	2	3	3	2	7	7	3	6	7	52			Croup.	46	4	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

Female.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	
---------	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--



[illegible]

**TABLE XVI—CONTINUED.**

[illegible]

[illegible]



TABLE XVI—CONTINUED.

MONTHS.												AGES.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
DEATHS.												CAUSES OF DEATH.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Sex.	SEX.											Total.	Unknown.	Females.	Males.	Unknown.	December.	November.	October.	September.	August.	July.	June.	May.	April.	March.	February.	January.	Sex.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.																			December.	Unknown.	Males.	Females.	Unknown.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Females.	1							1					2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

Under 5.  
5 to 10.  
10 to 15.  
15 to 20.  
20 to 30.  
30 to 40.  
40 to 50.  
50 to 60.  
60 to 70.  
70 to 80.  
80 and over.  
Unknown.

[illegible]







[illegible]

### THIRD REGISTRATION REPORT.

**TABLE XVI—CONTINUED.**

[illegible]

NOTE.—Still-births are included throughout this Report in every case when speaking of deaths from all causes, or all specified causes. Abortions are probably not reported as still-births. It is believed to be mainly those who have reached about the full term, and in many cases so reported the child was rarely born alive, but with not sufficient vitality to maintain a separate existence. The returns for 1869 show several cases reported still-born, where, in another column, the age is given as a few hours, or even one day in some cases. But if they were correctly reported born dead, except for some cause they would still be living, and while the study of the causes of death by the professional man can be accomplished as well in this way as in the other, there seems no good reason for allowing them to disturb the harmony, and confuse or mislead the general reader by being counted in one place and excluded in another.

Table XVI contains so many things worthy of study and remark, that no attempt will be made to do justice to the subject. Certain diseases seem to be confined to one period of life, and some to others; some are more fatal at one season of the year, and others at different seasons. Aside from the diseases known to be necessarily peculiar to one sex, there are others in which one or the other sex suffers much the most severely, the reasons for which remain to be ascertained. A few of the specified causes are far from specific, but are given as possibly in a slight degree better than unknown. This is the case with "Inflammation," which, of course, gives no very definite idea of the cause of death. Many reported "Congestion," etc., help to swell the number printed "Unknown," which amounts to 1,143, or 12.49 per cent of the whole number of deaths. It is to be hoped that this proportion may, in future, be greatly reduced as the supervisors become more familiar with the subject and interested in the work.

The most important of the causes of death specified in this table will receive some attention in connection with the tables following.



TABLE XVII.

*Order of Succession of Fifteen Principal Causes of Death, showing Number of Deaths from Each Cause, Percentage to Population, Persons Living to One Death, and Percentage to Deaths from All Causes, for the year 1869.*

FIFTEEN CAUSES PRODUCING GREATEST MORTALITY IN 1869.	Number of Deaths.	Percentage to Population, 1870.	Persons Living to One Death.	Percentage to Death, from All Causes
1. Consumption.....	1,238	.104	956	18.46
2. Typhoid Fever.....	487	.087	2,098	4.97
3. Pneumonia.....	427	.086	2,762	4.66
4. Old Age.....	310	.026	3,904	3.36
5. Diarrhea.....	295	.025	3,997	3.22
6. Scarletina.....	262	.021	4,680	2.75
7. Heart Disease.....	252	.021	4,680	2.75
8. Fever.....	248	.021	4,755	2.71
9. Dropsy.....	246	.020	4,794	2.66
10. Dysentery.....	236	.020	4,997	2.56
11. Cephalitis.....	226	.019	5,218	2.47
12. Brain Disease.....	204	.017	5,979	2.23
13. Apoplexy and Paralysis.....	185	.015	6,375	2.09
14. Casualty.....	176	.014	6,701	1.99
15. Whooping Cough.....	159	.013	7,465	1.79
Totals.....	4,885	.414	941	53.41
All Causes.....	9,145	.775	128	100.00

Four thousand eight hundred and eighty-five deaths, or a little more than one-half of all reported, were said to have resulted from the fifteen causes named in Table XVII. Consumption heads the list, as usual, and caused the death of as many as resulted from the three next highest causes put together, and rather more than one-eighth of all the deaths reported. Besides the several facts shown in this table, the subject will be passed on for further examination.

Typhoid Fever caused the next highest number, but only a little more than one-third of that charged to consumption.

Old Age is fourth in the order, and it would seem to be cause for congratulation that, while the death-rate from all causes was low, so large a proportion of the deaths were due to the natural decay of old age. Theoretically, with man's superior wisdom and capabilities for ascertaining the conditions essential to life, and his power of control over those conditions in his immediate surroundings, all other modes of death ought, perhaps, to be prevented. Practically, the facts are, that during the year 1869 only a little over three per cent of all the deaths in the State were attributed to this cause.

Diarrhea and Dysentery will receive additional attention. The geographical distribution of each disease in this State during the year 1869, will be seen by studying Exhibit D.

## EXHIBIT D.

*Number of Deaths from Diarrhea and Dysentery in Eleven Divisions of the State, Persons Living to One Death from each Disease, and Per Cent to Deaths from All Causes, during the year 1869.*

STATE AND GEOGRAPHICAL DIVISIONS.	DIARRHEA.			DYSENTERY.		
	Number of Deaths, 1869.	Persons Living to One Death.	Per Cent to Deaths from All Causes.	Number of Deaths, 1869.	Persons Living to One Death.	Per Cent to Deaths from All Causes.
State.....	295	3,997	3.23	286	4,997	3.58
Upper Peninsula Division.....	5	6,785	1.68	7	4,525	2.85
Northwestern ".....	5	3,608	3.14	7	2,574	4.40
Northern ".....	0	27,541	0.00	1	7,541	1.44
Northeastern ".....	9	792	16.07	2	3,519	3.57
Western ".....	53	2,119	6.02	28	4,011	3.13
Northern Central ".....	0	218,445	0.00	6	2,340	6.81
Central ".....	16	14,280	.96	43	5,448	2.52
Bay and Eastern ".....	38	3,956	3.16	33	4,555	2.74
Southwestern ".....	9	13,010	1.11	51	2,295	6.81
Southern Central ".....	30	13,801	1.95	26	7,667	1.90
Southeastern ".....	140	1,586	6.90	23	9,351	1.13

a Persons living—no deaths reported.

There is shown to have been a very great difference in the mortality from Diarrhea in the several divisions, ranging from one death to fourteen thousand inhabitants, up to one death to every seven hundred and eighty-two persons,—the proportion to all deaths, from less than one per cent, in the Central, up to sixteen per cent in the Northeastern division. The Central division, the Southwestern, and the Upper Peninsula, had much less than the average mortality from this disease. The Northeastern, Southeastern, and Western divisions had more than the average mortality, in the order named. The counties included in each division can be seen by turning to page 150.

From Dysentery, the mortality was more uniformly distributed than from Diarrhea. This disease proved most fatal in some places where Diarrhea was least so. The order of greatest proportional mortality in divisions having more than the average, was, Northern Central, Southwestern, Northwestern, Northeastern, and Western. There was less than the average proportion of deaths from Diarrhea in the first two of these divisions. The least number of deaths from Dysentery occurred in the Southeastern, Southern Central, Northern, and Central divisions, in the order named.

The three Central divisions of the State were most exempt from both diseases, except that in the Northern Central the greatest mortality from Dysentery occurred, but where there was not a death reported from Diarrhea.

Fever, Dropsy, and Brain Disease are not very definite causes of death. The number opposite the first named should, if it were possible, be distributed through the various diseases of that nature. The second may, perhaps, cause death, although it is not properly a disease, but an indication and result of disease of the heart, liver, or kidneys; while the third mentioned may include any or all of the diseases affecting the brain. But nothing more definite can be stated of them here. The duty of obtaining the specific information rests with those

who first collect the statistics. Apoplexy and Paralysis were, for this table only, counted together, because the latter is generally a result of the former.

Casualty includes those reported as follows: Killed by falling trees; by falling from wagon; in a well; by a fall; by horses, cows, and mules; by bursting of millstone; by circular saw; between logs; in mine; by caving of well; boiler explosion; explosion of fire-works; by whirlwind. And one from each of the following: Choked by tin whistle; over-lifting; over-work; drinking ice water; snake bite, and bee sting. This last person was over one hundred years old, and is included in Table VIII.

It is only by percentage, or some proportion of the population, that a correct idea of the death-rate can be obtained. Tables XVIII and XIX show this in the State, divisions, and counties, for all causes, for each of the four causes producing the greatest number of deaths during the year 1869, and for the extremely old and young.

Without reflection, it might be thought that the number of deaths from old age, and of those aged seventy and over, would closely correspond, but it will be seen that less than one-half of the deaths at seventy and over were attributed to old age. These two headings were placed side by side to facilitate comparisons.

The two sets of columns of deaths of old and young were put in partly to show the influence of general causes of death in the several divisions and counties, with the impression that such unfavorable conditions would in this way be sooner detected, as they would prove fatal to those least able to withstand them, and thus include a greater proportion of persons at the two extremes of life.

The order of greatest mortality from Consumption in the divisions of the State was, Southeastern, Central, Southern Central, Southwestern, Northwestern, Northern Central, Bay and Eastern, Northern, Western, Northeastern, and Upper

Peninsula. The order from Pneumonia was, Upper Peninsula, Northern, Western, Southwestern, Southeastern, Northwestern, Central, Southern Central, Bay and Eastern, Northern Central, and Northeastern. The opinion has prevailed to some extent, and, without the knowledge gained through statistics it might be expected, that when the conditions are such as to cause deaths from Pneumonia (inflammation of the lungs), there is greater danger from Consumption; but it will be seen that between these two diseases there was a correlation of quite a different kind; that in several divisions where there was more than the average mortality from Pneumonia, there was less than the average from Consumption, and *vice versa*. This correlation holds true in five of the eleven divisions, in one it is equal, and in five it does not hold. In the Southeastern division, where the greatest proportion of deaths resulted from Consumption, the per cent of deaths from Pneumonia was only .038, while the average was .086. An extremely slight reduction would have made the correlation hold in this case. In the Central division, where the next greatest number of deaths occurred from Consumption, the per cent of deaths from Pneumonia was precisely the average; so that the least possible reduction of the proportion would have established the correlation in a majority of the divisions. In general terms, and for all practical purposes, it may be considered as so far established. The following questions, then, come fairly before us: Are the conditions which tend to cause death from these two diseases similar, as has been by some supposed? Are they simply different, or are they in some way opposite or antagonistic? These statistics, if properly collected, studied, and compiled, will answer these important questions definitely. So far as can well be done in one year, the answers are given in this report, as regards the conditions of age, sex, season, and geographical distribution. The last subject has been examined by divisions in Table XVIII, and can be studied by counties in Table XIX. Of the twenty-one counties in which the percentage of deaths from Consumption was above the average in the State, ten were below, and eight were above the average from Pneumonia, two were equal, and

*Population, Consumption, Pneumonia, Typhoid Fever, Old Age,  
and of those Aged as stated to Deaths from all Causes,  
for*

	OLD AGE.			ALL AGED 70 AND OVER.				ALL AGED UNDER 5.			
	Per Cent to Population.	Persons Living to one Death.	Per Cent to Deaths from all Causes.	No. of Deaths.	Per Cent to Population.	Persons Living to one Death.	Per Cent to Deaths from all Causes.	No. of Deaths.	Per Cent to Population.	Persons Living to one Death.	Per Cent to Deaths from all Causes.
(a) State	.026	8,804	8.88	764	.064	1,548	8.24	8,915	.381	301	42.61
Upper	.008	11,225	1.08	8	.008	11,225	1.08	190	.564	177	63.97
Northw.	.011	9,008	1.25	10	.055	1,801	6.28	91	.505	196	57.28
Northe	.018	7,541	1.44	6	.079	1,256	8.09	40	.534	188	57.97
Northe	.042	2,846	5.85	8	.042	2,846	5.85	82	.454	219	57.14
Weste	.024	4,011	8.18	58	.051	1,986	6.59	411	.365	270	46.75
Northe	.029	8,861	4.21	5	.087	2,689	5.26	85	.260	384	36.84
Centra	.025	8,857	8.54	151	.066	1,518	9.08	623	.272	366	37.43
Bay an	.028	4,175	2.99	59	.089	2,546	4.90	567	.377	265	47.17
South	.025	8,908	8.71	76	.064	1,539	9.41	341	.291	343	42.25
South	.022	4,881	8.88	207	.074	1,888	10.94	578	.205	477	30.56
South	.087	2,655	8.99	186	.086	1,156	9.16	987	.435	229	46.20



	OLD AGE.			ALL AGED 70 AND OVER.				ALL AGED UNDER 5.			
	Percent. to Pop-ulation.	Persons living, to one Death.	Percent. to deaths from all causes.	No. of Deaths.	Percent. to Pop-ulation.	Persons living, to one Death.	Percent. to deaths from all causes.	No. of Deaths.	Percent. to Pop-ulation.	Persons living, to one Death.	Percent. to deaths from all causes.
Ala	.021	4,593	3.41	19	.059	1,692	9.26	1	.181	760	100.00
Ark	.032	3,111	3.38	1	.062	3,111	8.88	84	.261	882	40.97
Cal	.018	7,356	1.96	7	.081	3,152	4.57	23	.739	135	76.66
Col	.012	7,950	1.72	5	.081	3,150	4.81	8	.881	801	80.00
Del	.028	8,510	4.65	20	.091	1,092	10.00	62	.280	855	40.52
Fla	.011	8,748	1.65	16	.060	1,640	8.83	49	.808	824	42.24
Ga	.019	5,167	2.58	26	.071	1,891	9.59	14	.641	156	70.00
Ida	.018	5,276	4.00	15	.071	1,406	7.50	94	.268	872	48.73
Ill	.045	2,197	11.11	1	.057	1,724	10.00	67	.255	391	87.01
Ind	.026	3,814	8.50	15	.045	2,197	11.11	100	.276	361	86.90
Iowa	.015	6,298	2.72	9	.085	2,797	4.66	94	.445	213	47.00
Kan	.035	2,526	5.26	4	.381	402	10.00	2	.116	862	20.00
Kent	.022	4,443	2.38	4	.097	1,027	14.47	8	.187	782	88.88
Lia	.011	6,929	2.44	6	.090	1,110	9.52	67	.294	341	89.18
Mass	.028	3,546	4.09	29	.083	2,943	7.89	77	.305	327	89.89
Mich	.038	3,017	5.88	8	.097	1,027	14.47	27	.229	44	67.50
Min	.085	2,809	8.89	88	.097	1,027	14.47	76	.224	446	38.88
Miss	.018	5,535	2.12	6	.090	1,110	9.52	18	.405	246	42.85
Mo	.068	1,563	8.00	2	.083	2,943	7.89	81	.174	543	88.27
Mont	.022	4,479	8.57	29	.091	1,093	13.08	78	.245	406	35.18
Nebr	.012	4,510	3.68	8	.049	2,004	8.29	80	.576	173	65.04
Nev	.022	5,844	2.16	8	.048	2,006	5.10	17	.157	582	38.88
N.H.	.025	3,871	8.66	17	.063	1,563	8.00	92	.363	274	39.87
N.J.	.018	5,388	3.20	2	.049	2,004	8.29	96	.346	288	40.56
N.Y.	.021	4,576	2.27	18	.071	1,389	8.80	8	.252	395	82.00
Pa	.019	5,074	3.28	23	.071	1,389	8.80	12	.267	373	42.85
R.I.	.081	3,228	4.58	23	.065	1,525	9.52	70	.193	515	52.25
S.C.	.025	3,871	8.66	38	.065	1,525	9.52	111	.345	268	40.07
S.D.	.018	5,388	3.20	38	.065	1,525	9.52	121	.240	415	36.01
Tenn	.018	5,388	3.20	9	.042	2,372	7.20	49	.328	435	39.20
Texas	.021	4,576	2.27	8	.065	1,525	6.81	25	.546	188	56.81
Va	.019	5,074	3.28	34	.074	1,842	12.40	85	.166	586	31.09
W.Va	.081	3,228	4.58	20	.103	906	15.26	43	.222	447	32.89
Wis	.050	1,972	5.98	80	.180	789	15.88	76	.275	361	32.47
Wyo	.016	7,491	1.82	1	.016	6,074	2.08	81	.510	195	64.58
Unk	.013	7,491	1.82	2	.018	7,491	1.82	68	.587	170	67.17
Unk	.080	3,266	2.94	9	.061	1,693	5.88	16	.489	204	43.52
Unk	.085	2,922	4.76	4	.078	1,411	9.02	16	.263	852	38.09
Unk	.080	3,821	4.00	1	.030	8,821	4.00	5	.264	378	50.00
Unk	.058	1,717	6.61	86	.180	787	14.87	7	.210	474	28.00
Unk	.052	1,987	8.28	18	.095	1,048	15.29	94	.378	292	38.84
Unk	.026	3,724	2.89	4	.026	3,724	2.69	27	.199	502	31.76
Unk	.018	7,294	1.75	4	.054	1,823	7.01	71	.476	209	51.44
Unk	.046	2,152	7.88	34	.054	1,823	7.01	87	.507	173	64.91
Unk	.013	7,222	1.42	84	.083	1,202	14.10	68	.166	601	28.21
Unk	.088	2,595	3.03	2	.027	8,611	2.85	42	.561	171	60.00
Unk	.088	2,595	3.03	1	.088	2,595	3.03	17	.586	170	51.51
Unk	.080	3,832	3.87	6	.225	442	60.00	6	.225	442	60.00
Unk	.083	2,992	2.92	18	.048	2,050	5.55	118	.442	225	50.43
Unk	.034	2,907	7.85	18	.048	2,161	4.05	249	.680	156	56.06
Unk	.024	4,212	8.24	5	.034	2,912	7.85	80	.205	485	44.11
Unk	.016	6,189	2.00	19	.091	1,097	12.33	52	.249	401	38.76
Unk	.044	2,222	6.00	10	.027	3,683	3.84	189	.377	265	46.48
Unk	.021	4,438	3.03	28	.086	1,159	11.50	70	.262	380	35.00
Unk	.081	3,203	4.81	9	.065	1,523	9.09	34	.247	408	34.34
Unk	.021	4,605	3.61	22	.076	1,310	11.75	69	.239	417	36.89
Unk	.026	3,721	2.43	38	.091	1,090	15.26	67	.161	618	26.90
Unk	.026	3,721	2.43	60	.067	1,488	6.10	669	.586	170	52.54
Unk	---	---	---	---	---	---	---	8	.400	246	60.00







the remaining one had not population enough to show. In 27 counties the proportion of deaths from Pneumonia was greater than the average for the State; of this number, nineteen had less than the average mortality from Consumption. This subject has been studied in four slightly different ways,—of counties having more than the average mortality from Consumption, what number had less than the average from Pneumonia; of those having less than the average from Consumption, what number had more than the average from Pneumonia; and in the same ways, taking Pneumonia first. The result is, that of the fifty-nine counties returned, in ten the conditions were such that the questions could not be positively answered,—in some cases the percentages were equal to the average for the State, and in the others the population was small, and no deaths reported from one or the other disease. Of the remaining forty-nine counties, the correlation holds in twenty-nine, and in twenty it does not.

**EXHIBIT E.—CORRELATION OF**  
*Number and Percentage of Deaths of Males and Females, at  
different Periods of Age, from Consumption.*

AGE.	NUMBER.				Percentage of whole number Deaths from consumption.	PERCENTAGE OF THE SEXES. (Unknown sex excluded)			
	Males.	Females.	Unknown.	Total.		Males.	Females.	Excess.	
								Males	Fe- males
Under 5.....	56	54	1	111	9.03	50.90	49.09	1.81	.....
5 to 10.....	18	2	.....	15	1.21	86.66	13.33	73.66	.....
10 to 15.....	6	26	.....	32	2.59	18.75	81.25	.....	62.50
15 to 20.....	34	62	.....	96	7.78	35.41	64.58	.....	29.17
20 to 30.....	118	200	.....	318	25.88	36.10	63.89	.....	27.79
30 to 40.....	96	117	.....	213	17.27	45.70	54.29	.....	8.59
40 to 50.....	69	78	.....	147	11.68	43.59	56.40	.....	2.81
50 to 60.....	64	58	.....	112	9.43	54.70	45.29	9.41	.....
60 to 70.....	53	47	.....	100	8.51	55.28	44.71	10.47	.....
70 to 80.....	34	26	.....	60	4.86	56.66	43.33	13.33	.....
80 and over.....	7	2	.....	9	.72	77.77	22.22	55.55	.....
Unknown.....	18	7	.....	25	1.62	65.00	35.00	30.00	.....
Total.....	563	609	1	1,173	100.00	45.89	54.10	.....	8.61

## CONSUMPTION AND PNEUMONIA.

*Number and Percentage of Deaths of Males and Females, at different Periods of Age, from Pneumonia.*

AGE.	NUMBER.			Percentage of whole number Deaths from Pneumonia.	PERCENTAGE OF THE SEXES.			
	Males.	Females.	Total.		Males.	Females.	EXCESS.	
							Males	Females
Under 5. ....	124	109	233	54.56	58.21	46.78	6.43	.....
5 to 10. ....	6	5	11	2.57	54.54	45.45	9.09	.....
10 to 15. ....	4	4	8	1.87	50.00	50.00	.....	.....
15 to 20. ....	4	6	10	2.34	40.00	60.00	.....	20.00
20 to 30. ....	4	18	22	5.15	18.18	81.81	.....	63.63
30 to 40. ....	12	6	18	4.21	66.66	33.33	33.33	.....
40 to 50. ....	17	10	27	6.82	62.96	37.03	25.93	.....
50 to 60. ....	22	18	40	8.19	62.50	37.50	25.00	.....
60 to 70. ....	22	11	33	7.72	66.66	33.33	33.33	.....
70 to 80. ....	9	10	19	4.44	47.37	52.62	.....	4.85
80 and over. ....	4	.....	4	.98	100.00	.....	100.00	.....
Unknown. ....	6	1	7	1.68	55.71	44.28	11.43	.....
Total. ....	284	198	482	100.00	54.80	45.19	9.61	.....

**EXHIBIT F.—CORRELATION OF**  
*Number and Percentage of Deaths of Males and Females, by*  
*Months, from Consumption.*

MONTHS.	NUMBER.				Percentage.	PERCENTAGE.			
	Males.	Females.	Unknown.	Total.		Males.	Females.	Excess.	
								Males.	Females.
January .....	23	34	---	57	4.62	33.96	61.01	-----	23.03
February .....	23	31	---	54	5.59	55.07	44.92	10.15	-----
March .....	44	52	---	96	7.78	45.83	54.16	-----	8.33
April .....	54	58	---	112	9.06	43.21	51.79	-----	8.57
May .....	57	65	---	122	9.89	46.72	58.27	-----	6.55
June .....	51	59	---	110	8.92	44.36	58.63	-----	7.27
July .....	44	52	---	96	7.78	45.83	54.16	-----	8.33
August .....	46	59	---	105	8.51	43.80	56.19	-----	12.39
September .....	58	73	---	131	10.62	40.45	59.54	-----	19.09
October .....	48	63	---	111	9.00	43.90	56.79	-----	12.59
November .....	34	52	---	86	6.97	39.58	60.46	-----	20.98
December .....	70	65	1	136	11.02	51.85	48.14	3.61	-----
Unknown .....	1	1	---	2	.16	50.00	50.00	-----	-----
Year 1899 .....	563	630	1	1,233	100.00	45.69	54.30	-----	8.61
					8.83				

## CONSUMPTION AND PNEUMONIA.

*Number and Percentage of Deaths of Males and Females, by Months, from Pneumonia.*

MONTHS.	NUMBER.			Percentage.	PERCENTAGE.			
	Males.	Females.	Total.		Males.	Females.	Excess.	
							Males.	Fe- males.
January .....	16	19	35	8.19	45.71	54.28	-----	8.57
February.....	34	30	64	14.98	58.12	41.87	6.15	-----
March .....	42	30	72	16.86	58.88	41.12	16.67	-----
April .....	34	28	62	14.51	54.68	45.32	8.37	-----
May .....	19	21	40	9.86	47.50	52.50	-----	5.00
June .....	9	7	16	3.74	56.25	43.75	12.50	-----
July .....	6	5	11	2.57	54.54	45.45	9.09	-----
August.....	18	8	26	4.91	61.95	38.04	23.81	-----
September.....	10	9	19	4.45	52.63	47.36	5.27	-----
October .....	8	5	13	1.87	87.50	12.50	-----	25.00
November.....	21	9	30	7.02	70.00	30.00	40.00	-----
December .....	26	21	47	11.00	55.81	44.19	10.62	-----
Unknown .....	1	1	2	.46	50.00	50.00	-----	-----
Year 1889 .....	284	198	482	100.00	54.80	45.20	9.61	-----
				8.28				

The subject can be studied in connection with age and sex in Exhibit E. The order of greatest mortality from these diseases, by periods of age, is very different; placed side by side they agree in only one particular, that of having the least number of deaths during the period of age over eighty years. Studied as before, out of the eleven periods of age, the correlation holds in four, and lacks one death of doing so in the fifth.

As regards sex alone, the correlation is quite perfect, the excess of deaths of females from Consumption being 8.61 per cent, and of males from Pneumonia 9.61 per cent. (Excess of males from all causes, 5.39 per cent.)

With sex in connection with age, it holds in three cases. In three cases, also, there was an excess of deaths of one sex from one disease, and of the opposite sex from the other disease; and in one period an excess from one disease, and an equal number of each sex from the other.

Exhibit F shows relations to each disease of conditions of seasons, and of sex at different seasons. With season alone, the correlation holds in just one-half the months. The same is true of sex in connection with season.

There is another way in which this subject may be studied, and that is by taking the average proportion of the deaths of the sexes from all causes—5.39 per cent more males than females—and finding out in how many cases the proportion is greater or less from Consumption, and the reverse from Pneumonia. Doing so with sex by periods of age, we find the excess in opposite directions in four cases out of eleven; with sex by months, in seven cases out of twelve.

To sum up, Consumption and Pneumonia were, in a majority of cases, distributed throughout the counties in an opposite manner. This correlation holds as regards sex and season, but does not fully hold with age as at present, in this Report, divided by periods, although there was demonstrated to be a great difference, falling a little short of opposition.

As the last of the report now goes to press, there does not remain time to continue the study of Tables XVIII and XIX, or to notice Table XX, but it is hoped that they will prove valuable by contributing somewhat to the general stock of knowledge, especially concerning the one great cause of death, Consumption.



**TABLE XX—CONSUMPTION.**  
*Showing, by Months, the Occupation, Age, Sex, and Conjugal Condition of all who Died from Consumption during the year 1869.*

Month.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Married.	Single.	Widowed.	Unknown.	Total.
January.	60	112	123	110	66	105	181	111	96	185	2	...	...	...	1232
February.	60	66	65	65	64	54	70	62	47	79	374	...	...	...	"
March.	60	65	65	65	64	54	70	62	47	79	374	...	...	...	"
April.	60	65	65	65	64	54	70	62	47	79	374	...	...	...	"
May.	60	65	65	65	64	54	70	62	47	79	374	...	...	...	"
June.	60	65	65	65	64	54	70	62	47	79	374	...	...	...	"
July.	60	65	65	65	64	54	70	62	47	79	374	...	...	...	"
August.	60	65	65	65	64	54	70	62	47	79	374	...	...	...	"
September.	60	65	65	65	64	54	70	62	47	79	374	...	...	...	"
October.	60	65	65	65	64	54	70	62	47	79	374	...	...	...	"
November.	60	65	65	65	64	54	70	62	47	79	374	...	...	...	"
December.	60	65	65	65	64	54	70	62	47	79	374	...	...	...	"
Unknown.	60	65	65	65	64	54	70	62	47	79	374	...	...	...	"
Total.	60	65	65	65	64	54	70	62	47	79	374	...	...	...	1232

36	43	51	71	76	67	68	69	73	81	88	2	...	...	...	769	Occupations Unknown	T	109	14	29	68	98	100	68	35	93	40	44	21	32	30	94	7	5	12		
16	20	25	37	86	88	21	34	41	85	81	44	...	...	...	...	..	M	...	...	...	7	42	70	48	40	39	81	38	18	18	14	18	2	1	2		
16	19	23	24	29	22	37	37	81	29	19	37	...	293	...	...	..	S	109	14	27	54	37	19	7	6	1	5	1	2	4	...	1	2	1	2		
2	1	...	4	9	5	3	5	7	4	6	4	...	50	...	...	..	W	...	...	...	1	4	2	8	5	1	1	4	4	7	5	8	2	8	...		
2	8	4	6	2	7	2	7	6	5	5	8	2	...	64	...	...	..	U	...	...	...	1	7	10	9	5	4	2	8	2	8	1	2	1	1	8	
															FEMALES:																						
27	31	41	49	56	50	43	46	65	56	47	58	1	...	...	565	Occupations Unknown	T	58	2	25	54	74	86	45	47	25	83	17	24	17	19	5	2	6	...		
13	13	32	32	80	27	19	28	40	82	37	35	...	319	...	...	..	M	...	...	...	7	41	64	88	88	28	27	10	16	12	11	2	...	1	...		
10	11	15	11	19	16	90	18	12	15	18	11	...	171	...	...	..	S	58	2	34	41	21	14	3	8	1	1	1	1	8	...	1	1	1	...		
2	1	...	4	7	5	3	5	7	4	4	8	...	44	...	...	..	W	...	...	...	1	4	2	3	5	1	1	4	4	5	5	6	2	1	...		
2	1	4	2	...	2	2	...	6	5	8	4	1	...	82	...	..	U	...	...	...	6	8	6	1	1	2	...	2	...	...	...	1	...	5	...		
															MALES:																						
9	17	10	25	20	15	10	15	28	15	15	27	1	...	...	204	Occupations Unknown	T	56	12	4	14	19	14	18	8	8	8	12	4	8	3	5	2	8	6	...	
3	2	8	5	6	6	2	1	1	3	4	9	...	45	...	...	..	M	...	...	...	1	6	10	2	6	8	6	8	2	2	2	...	1	1	...		
6	8	7	18	10	6	7	9	19	13	6	16	...	119	...	...	..	S	56	12	3	18	16	5	4	3	...	4	...	1	1	...	1	...	...			
...	...	...	...	2	...	1	...	...	2	1	...	6	...	...	...	..	W	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	
7	...	7	2	3	2	5	8	...	8	1	1	...	84	...	...	..	U	...	...	...	1	2	8	4	3	2	1	6	...	3	1	1	...	5	...		
21	21	45	41	46	43	43	46	38	25	53	...	...	...	...	467	All specified Occupations	T	1	1	3	38	60	51	45	50	44	25	28	28	25	20	9	4	8	...		
13	15	31	28	29	31	38	30	29	27	16	34	...	311	...	...	..	M	...	...	...	2	18	32	37	38	35	24	28	27	25	21	17	4	2	6	...	
7	5	11	6	15	12	9	12	11	4	14	...	118	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...
1	1	3	2	2	1	1	9	9	1	3	4	...	22	...	...	..	W	...	...	...	...	...	1	...	...	2	8	1	...	8	4	2	5	1	...	...	
...	...	9	...	1	8	...	...	1	2	8	...	12	...	...	...	..	U	...	...	...	1	3	2	...	4	...	...	...	...	...	...	...	...	...	1	1	...



### DEATHS.

[illegible]



[illegible]

\*For Totals, etc., see corresponding Classes, on pages 186 and 187.

TABLE XX—CONTINUED.

January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unkn.	Married.	Single.	Widowed.	Totals.	OCCUPATION, SEX, AND CONJUGAL CONDITION.	*CLASS III.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
					1								1				1	Boiler maker.....M							1											
1	1									1	1		8					Blacksmith.....M					2										1			
										1			1				4	".....W															1			
		1											1					Brewer.....M								1										
	1						1						2					Carriage maker.....M						1												
										1			1					Locksmith.....S							1											
							1						1					Matchmaker.....M														1				
					1								1					Miller.....M								1										
										1			1					Sawyer.....M					1													
									1				1					Tinker.....M															1			
				1									1					Wheelwright.....M												1						
						1												*CLASS IV.																		
							1							1				Gloves maker.....W															1			
										1				1				Saddler.....S					1													
1										1			2					Shoemaker.....M									1									
									1					1				".....S					1													
				1									8					Tailors.....M												1	1					

*CLASS V.									
1	1	1	8	2	1	2	13		Laborers.....M
2	2	1	1	2	1	1	10		".....S
1								2	".....W
	1	1	1	1	1	1	4	29	".....U
1								2	Miners.....M
*CLASS VI.									
	1							1	Deputy Sheriff.....M
1			1				2		Engineer.....M
1								1	".....U
								1	Fisher and hunter.....S
								1	Mine Captain.....M
1								1	Musician.....S
								2	".....U
1								2	Teamster.....M
1								2	Veterinary Surgeon.....M
*CLASS VII.									
								1	Fisherman.....S
1								2	Sailors.....M
1								5	".....S
*CLASS VIII.									
								2	Soldiers.....S

\* For Totals, etc., see corresponding Classes, on pages 197 and 188.





CLASS X.					
1	1	1	Artist.....M		1
	1	1	Circuit Judge.....M		1
1		2	Clergymen.....M		1
1	1	8	Lawyer.....M		1
	1	1	".....S		1
	1	1	Physician.....M		1
	1	2	".....U		1
1	1	3	Students.....S		3
1	1	2	Teachers.....M		1
1		1	".....S		1
	1	1	".....W		1
	1	4	".....W		1
			†CLASS XI.		
1		2	Farmers' daughters.....S	1	
2	2	4	Farmers' wives.....M	1	3
		1	".....W		2
		23	".....W		1
3	5	6	Housekeepers.....M	1	5
	2	1	".....S		8
		1	".....W		1
		1	".....U		1
		2	".....U		1
		2	Housework.....S		1

† For Totals, etc., see corresponding Classes, on pages 188 and 189.

+ For Totals, etc., see "Females (Class XI)—Specified Occupations," on page 186.

TABLE XX—CONTINUED.

January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Married.	Single.	Widowed.	Unknown.	Total.	OCCUPATION, SEX, AND CONJUGAL CONDITION.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
							1			1			2					†CLASS XI—(continued).																		
																		Laborer.....	M																	
		1											1					1 Merchant's Wives.....	M																	
							1						1					1 Miller.....	M																	
									1									1 Physician's Wives.....	M																	
		1																1 Seamstresses.....	W																	
									1									1 Servants.....	S																	
													1					1 Stage Drivers' Wives.....	M																	
								1					1					Teachers.....	M																	
1	2	1			1	1	8	8	1	2				15			16	".....	S				5	8	1											

† For Totals, etc., see "Females (Class XI)—Specified Occupations," on page 186.

# AN ACT

To Provide for the Registration of Births, Marriages, and Deaths, being Act No. 194, Session Laws of 1867, approved March 27, as amended by Act No. 125, Session Laws of 1869, approved April 3.

SECTION 1. *The People of the State of Michigan enact*, That sections one, three, and four of an act entitled "An act to provide for the registration of births, marriages, and deaths," approved March twenty-seventh, eighteen hundred and sixty-seven, be and the same are hereby amended so as to read as follows:

SECTION 1. *The People of the State of Michigan enact*, That it shall be the duty of the supervisor of each township, and the supervisor or assessor of any city or ward therein, in this State, between the tenth day of April and the first day of June, in the year eighteen hundred and sixty-nine, to ascertain, by actual inquiry or otherwise, of the inhabitants thereof, the births and deaths which have occurred in their respective townships, cities, or wards, from and including April fifth, eighteen hundred and sixty-eight, to and including December thirty-first, eighteen hundred and sixty-eight, together with the facts relative thereto, as are hereinafter provided for, and shall make an accurate return thereof to the clerk of the county in which such township or city is situated, on or before the first said day of June; and for such service shall receive ten cents for each birth and death so returned by them, to be paid by the county in which such returns are made. In the year eighteen hundred and seventy, and in each and every year thereafter, it shall be the duty of the officers above mentioned, between the tenth day of April and the first day of

June, to ascertain, by actual inquiry or otherwise, of the inhabitants thereof, the births and deaths which have occurred in their respective townships, cities, or wards, during the year ending on the last day of the preceding December, and shall make the return, and receive therefor the compensation above provided for: *Provided*, That in the city of Detroit, the duties required by this act to be performed by supervisors and assessors shall be performed by persons appointed by the common council for that purpose; and it shall be the duty of the common council, on or before the tenth day of April, in each year, to appoint such number of persons in each ward of said city, as shall be necessary to perform said duties within the time limited by this act; and such persons shall possess all the authority conferred upon, and perform all the duties required of supervisors and assessors, by this act, within the territory assigned them respectively, by the common council, and shall receive such compensation for their services, not exceeding the sum allowed by this act to supervisors and assessors, as shall be fixed by the common council, to be paid by the county of Wayne, and shall be liable to the same penalties for refusal or neglect to perform any of said duties.

SEC. 2. Every justice of the peace, minister of the Gospel, and all other persons authorized by law to solemnize marriages in this State, shall make a record of each marriage so solemnized by him; and every clerk or keeper of the records of the meetings in which any marriage among the Friends or Quakers shall be solemnized, shall make a record of such marriage, together with all the facts relating to the same, as required by the third section of this act; and such justice, minister of the Gospel, clerk, or other person, shall, at the time such marriage is solemnized, deliver, on demand, to either of the parties so joined in marriage, as aforesaid, a certificate of such marriage, containing all the facts in relation thereto, required by said third section of this act, and shall, within ninety days thereafter, deliver to the clerk of the county in which such marriage

took place, a certified copy of such record, and, at the same time, pay to the clerk twenty-five cents for recording the same.

SEC. 3. It shall be the duty of the county clerks of the several counties in this State, on receiving the returns of such births, marriages, and deaths, to record the same at length in separate books, to be provided at the expense of the State by the Secretary of State, for that purpose, with proper indexes thereto. The births, marriages, and deaths shall be numbered and recorded in the order in which they are received by the clerk, and the record of marriages shall be indexed, using both the name of the bridegroom and bride. The record of births shall state, in separate columns, the date of the birth, the name of the child (if it have any), the sex and color of the child, the place of birth, the Christian and surname of both parents, the residence and nativity of the parents, the occupation of the father, and the date when the record was made: *Provided*, That in case the child has no Christian name, such name shall be obtained and reported to the county clerk in the next annual report of the supervisor or assessor, and such Christian name shall be distinctly designated in such report as the Christian name belonging to a child previously reported, and shall be properly entered by said county clerk, in the blank left for such Christian name in his book of record; and it shall be the duty of the several county clerks, on or before the tenth day of April in each year, to give to the officers required to make the said returns, lists of such children whose Christian names have not been previously reported in their respective towns, cities or wards. The record of marriages shall state, in separate columns, the date and place of marriage, the Christian and surname of the bridegroom and bride, and the maiden name of the bride, if a widow, the color, age, and place of birth of each, the residence of each at the time of marriage, the occupation of the bridegroom, and the name and official station of the person by or before whom they were married, the names and residences of at least two witnesses present at such marriage,



[illegible]

\* For Totals, etc., see corresponding Classes. on pages 187 and 188.



and the date when such record was made. The record of deaths shall state, in separate columns, the date of the death, the Christian and surname of the deceased, the sex and color, whether married or single, the age in years, months, and days, the place of death, the disease or apparent cause of death, the nativity of the deceased, and the occupation, if any, and the names, residence of the parents, if known, and the date when such record was made. The clerks of the several counties shall annually, on or before the first day of September, make and transmit to the Secretary of State, a certified copy of the records in his office, of all the births, marriages, and deaths reported in their respective counties for the year ending December thirty-first, last preceding. And each county clerk shall receive for the record of each birth and death in his office three cents, and three cents for each birth, marriage, and death returned by him to the Secretary of State, to be paid by the county, and shall be compensation in full for all services required by this act to be performed by him.

SEC. 4. The Secretary of State shall prepare and furnish to the county clerks of the several counties in this State, blank books of suitable quality and size, with proper rulings and headings, to be used as books of record in carrying into effect the provisions of this act. He shall also prepare and furnish blank "forms of returns," as hereinbefore specified, accompanied with such instructions and explanations as may be necessary to insure uniformity in such returns, which blanks shall be forwarded to the several county clerks on or before the first day of March in each year; and the said county clerks shall deliver the same to the supervisors or assessors of the several townships, cities, or wards therein, in their respective counties, on or before the tenth day of April.

SEC. 5. It shall be the duty of the Secretary of State to receive the returns made in pursuance of the third section of this act, and he shall cause the same for each year to be bound together, in one or more volumes, at the expense of the State.

and make indexes thereto; and with such assistance as may be voluntarily rendered by any authorized committee appointed by the medical faculty of the University of Michigan, or by any regularly authorized medical society in this State for that purpose, he shall prepare such tabular statements, results and deductions therefrom as will render them of practical utility, and make report thereof, annually, to the Governor of the State, which report may be ordered published and distributed in such manner as the Legislature may from time to time direct.

SEC. 6. Every justice of the peace, minister of the Gospel, and all other persons authorized by the laws of this State to solemnize marriages, and clerks or keepers of records of the meetings in which any marriage among the Friends or Quakers shall be solemnized, who shall neglect or refuse to make a record of such marriage, or to deliver to the county clerk of the county in which the marriage took place, a certified copy of such record, or who shall refuse, on demand, to deliver to the parties to such marriage the certificate thereof, as required by section two of this act, or who shall willfully make a false or fictitious entry in his record of marriages, or in the certified copy of such record delivered to the county clerk, or in the certificates of marriages delivered to the parties thereto, shall be deemed guilty of misdemeanor, and upon conviction thereof, shall be punished by fine not exceeding one hundred dollars, and in default of paying the same, shall be imprisoned in the county jail of the county in which such conviction shall be had, until said fine be paid, but not to exceed the period of ninety days.

SEC. 7. Every physician, surgeon, or midwife who shall have been in attendance upon any deceased person, shall, upon application of any supervisor or assessor of the township, city, or any ward thereof, in which such death occurred, make out and deliver to such supervisor or assessor, a certified statement, without fee, containing the name of the disease, or cause (if

.

known) producing the death of such person; and any medical attendant who shall neglect or refuse to give such statement, or who shall willfully make a false statement in relation to such death, shall, for such offense, be liable to pay a fine of not less than ten nor more than fifty dollars, and the costs of prosecution, which fine the said supervisor or assessor is hereby required to sue for and collect, in his official character.

SEC. 8. It shall be the duty of each supervisor or assessor to obtain the facts in relation to births and deaths within his township, city, or any ward therein (not otherwise obtained,) from the heads of families, the keepers, overseers, or superintendents of asylums, hospitals, jails, prisons, work-houses, alms-houses, houses of correction, and similar institutions, the keepers of hotels, public and private boarding-houses, and the masters or chief officers of steamboats and sail-vessels navigating any of the waters of this State, and touching at any port of entry therein, in which such births or deaths occurred; and if either of the above named persons shall refuse to give such information, then the same shall be obtained by such supervisor or assessor from any person having a knowledge of the facts in relation to such birth or death; and if the supervisor or assessor shall have reason to believe that any person or persons willfully misrepresented or concealed any facts relative to such birth or death in his township, city, or any ward therein, which he cannot otherwise obtain, he may examine such person or persons on oath (which oath such supervisor or assessor is hereby empowered and authorized to administer.) in relation to any birth or death within his township, city, or any ward therein, of which such person or persons may have any knowledge or information; and if any person, after being duly subpoenaed (as provided for compelling the attendance of witnesses in justices' courts,) by such supervisor or assessor, for the purposes aforesaid, shall neglect or refuse to appear before such officer, or, appearing, shall refuse to be sworn and testify in relation to such matter, he shall be deemed guilty of

a misdemeanor, and upon conviction thereof shall be punished therefor by fine not exceeding fifty dollars, and in default of paying the same, shall be imprisoned in the county jail of the county in which such conviction shall be had, until said fine be paid, but not exceeding ninety days; and any person who, after being duly sworn as aforesaid, shall willfully make any false statement in relation to any birth or death, about which he is required to testify, shall be deemed guilty of willful and corrupt perjury: *Provided*, That no person shall be required to answer any question which will tend to criminate himself or herself upon any such examination.

SEC. 9. In case of the refusal or neglect by any of the officers mentioned in this act, to perform any of the duties hereinbefore required of them, or either of them, to be done and performed by any of the provisions herein contained, such officer shall be liable to a fine not to exceed one hundred dollars, and the costs of prosecution; and the prosecuting attorney in each county is hereby required to prosecute, in the name of the People of the State of Michigan, all persons in his county who shall willfully violate any of the provisions of this act; and the said supervisor or assessor of any township, city, or any ward therein, may be prosecuted for a misdemeanor under this section, and, upon conviction, punished as therein provided for.

SEC. 10. Sections three thousand two hundred and thirteen, three thousand two hundred and fourteen, three thousand two hundred and fifteen, and three thousand two hundred and sixteen, of the compiled laws of eighteen hundred and fifty-seven, be and the same are hereby repealed.

SEC. 2. That there shall be added to said act a new section, to stand as section eleven, to read as follows:

SEC. 11. The several supervisors and assessors of the townships, villages, and cities in this State, who have made any returns of births and deaths to the county clerk of their respective counties for the year eighteen hundred and sixty-

eight, and have not received the amount of compensation as provided for in this act, shall be paid therefor at rates set forth in the preceding section. And such county clerks as have made returns of the births, marriages, and deaths to the Secretary of State for the year eighteen hundred and sixty-eight, and who have not received compensation therefor, shall be paid for the same at the rates set forth in the preceding sections.

SEC. 3. This act shall take immediate effect.

# CONTENTS.

	PAGE.
Prefatory Letter of Transmittal.....	3-4
Introductory Remarks and Statements.....	5-8
General Abstract—Births, Marriages, and Deaths.....	9-13

## BIRTHS.

General Statements concerning.....	15
Still-birth—Table.....	16
Races other than White—Table.....	17
Twins, Nativity of Parents and Occupation of Fathers of.....	18-22
Triplets.....	22
Illegitimate Children, Nativity of Parents.....	23-24
By Quarters of the Year.....	25
Per cent of each Parent, Nativity, Remarks.....	25
Proportion of Twins, Triplets, Illegitimate, Colored, etc.....	25-26
Number and per cent of Births to Population, by Counties—Table	27-28
Sex, per cent of each, and Number of Males to 100 Females, by	
Counties—Table I.....	29-30
Sex, Condition, and Parentage, by Counties—Table II.....	31-32
Number of Births in each Month, by Counties—Table III.....	33-36

## MARRIAGES.

General Statements of the Number, Nativity, Race, etc.....	37
By Quarters of the Year.....	38
Per cent of each Nativity.....	38
Per cent at Different Periods of Age.....	38
Marriages with Disparity of Ages, by Counties.....	39-40
Age of all Persons Married—Table.....	41
Per cent of Males and Females under 21.....	41
Races other than White.....	42
Population, Number and per cent to Population, by Counties—	
Table.....	43-44
Number in each Month, by Counties—Table.....	45-47

	PAGE.
Nativity and Period of Age, by Counties—Table.....	48-51
Age of each Sex, and Number under 21, by Counties—Table....	52-55

## DEATHS.

Importance of Vital Statistics.....	57
Value of the Statistics of Deaths in this Report.....	57
Favorable Conditions in this State for gaining Valuable Information.....	58
Whole Number of Deaths, and Proportion of each Sex.....	59
Death-rate Extremely Low.....	59
Death-rate Compared with other States and Cities.....	59
Census used in Computing Death-rates.....	59
Deaths by Quarters of the Year—Table I.....	60
Influence of Season, Mortality by Months—Table II.....	60-61
Influence of Season on Death-rate of the Sexes—Table III.....	62-63
Deaths by Periods of Age—Table IV.....	64
Influence of Age, and of Age in connection with Sex.....	64-68
Causes of Death of Children.....	66
Deaths, by Counties and Sex, by Months and Age—Table V....	69-82
By Counties, the Nativity by Sex—Table VI.....	82-85
By Counties, of Races other than White, by Sex—Table VII....	86-88
Aged 100 and over—Table VIII.....	89
Meteorological Records important—by whom furnished.....	91
Meteorological Tables—IX, X, and XI.....	92-94
Influence of Climate on Death-rate.....	95-97
Daily Range of Thermometer, and the Death-rate.....	61, 62, 96, 97, 102, 103, 114
Influence of Sex, Season, and Age upon Mortality, from Ten Specified Causes—Tables XII and XIII.....	98-99
Cancer.....	100
Cephalitis—Croup.....	101
Croup, by Months, Influence of Uniform, Warm, and Moist Air..	102-104
Diarrhea, Diphtheria.....	104
Dysentery, Measles, and Scarlatina.....	105
Typhoid Fever, Whooping Cough.....	106-107
Occupation and Average Age—Table XIV.....	108-116
Causes of Death Statistically Classified—Table XV.....	117-147
Plan of Classification.....	148
Deaths in this State compared with Massachusetts, by Classes— "Exhibit B".....	149
Geographical Divisions of the State—Counties included in each...	149-150

	PAGE.
Death-rate in State and Divisions, from each Class of Causes— “Exhibit C”.....	151-152
Causes of Death alphabetically arranged—Table XVI.....	153-170
Still-births included [NOTE.—See Erratum, page 206].....	171
Inflammation and Congestion not definite terms.....	171
Fifteen Principal Causes of Death—Table XVII.....	172
Consumption, Typhoid Fever, and Old Age.....	172-173
Diarrhea and Dysentery—“Exhibit D”.....	173-174
Fever, Dropsy, and Brain Disease not definite.....	174
Casualty, Nature of Causes so tabulated.....	175
Old Age, and Aged Seventy and over, contrasted.....	175
Influence of General Causes best shown at extremes of age.....	61, 175
Consumption, in Divisions of the State.....	175-6
Pneumonia, in Divisions of the State.....	176
Death-rate, by Divisions and Counties, from All Causes, four Principal Causes, and from Extremes of Age—Tables XVIII and XIX.....	176-177
Correlation of Consumption and Pneumonia—Exhibits “E” and “F”.....	176-182
Objects and uses of Vital Statistics....95, 97, 101, 108, 115, 150, 152, 176	
Reason for lack of Practical Deductions, etc., from Table XX....	183
Consumption, by Months, Age, Occupation, Sex, and Conjugal Condition—Table XX.....	184-194
Act relative to Registration.....	195-202
Erratum .....	206



# ERRATUM.

In page 171, line 6, for "rarely born alive," read "*really* born alive."





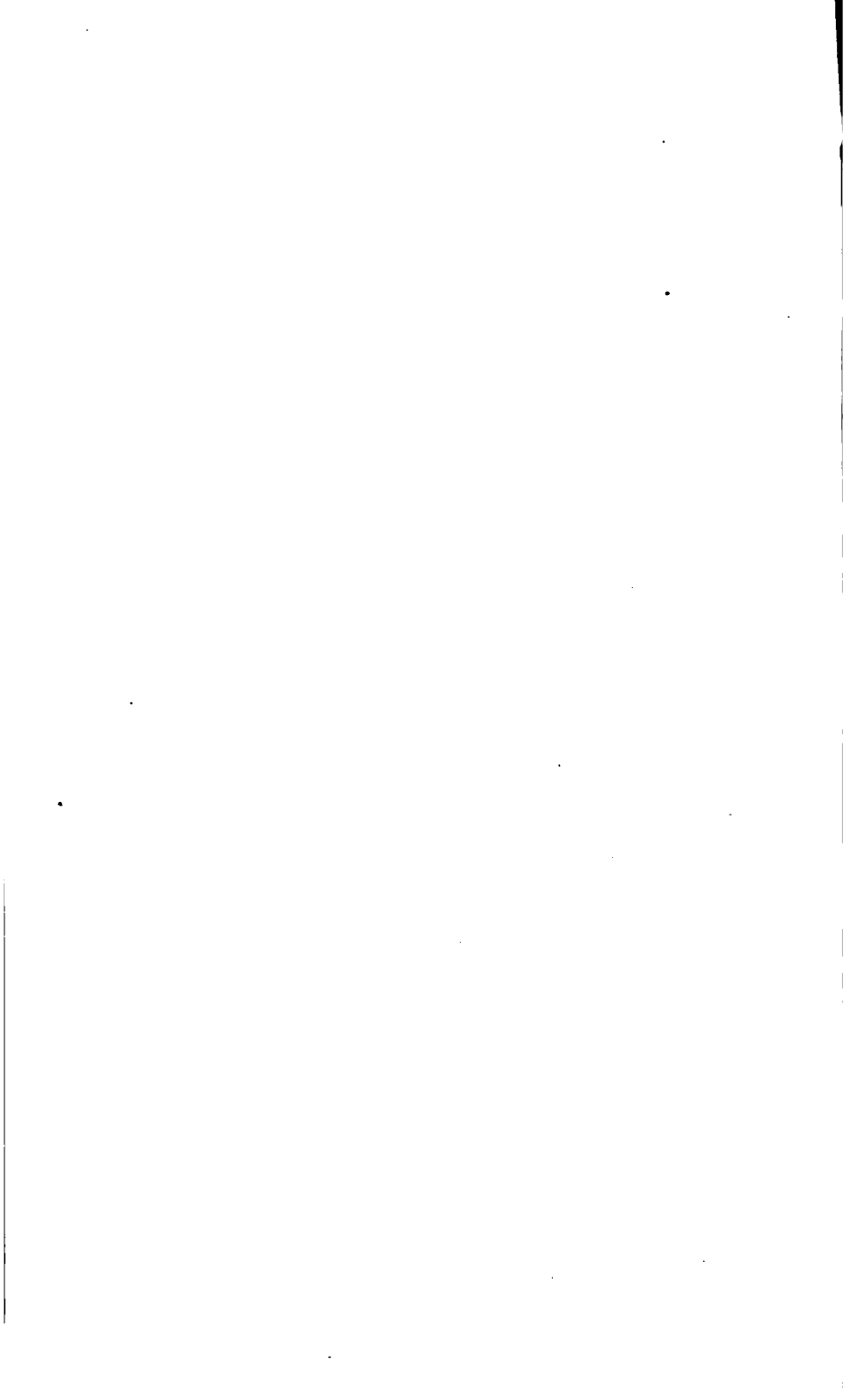
FIRST ANNUAL REPORT  
OF THE  
SECRETARY OF STATE  
OF THE  
STATE OF MICHIGAN,  
RELATING TO  
INSURANCE.

---



~~~~~  
*BY AUTHORITY.*  
~~~~~

LANSING:  
W. S. GEORGE & CO., PRINTERS TO THE STATE.  
1870.



# PREFACE.

---

STATE DEPARTMENT, MICHIGAN.

SECRETARY'S OFFICE, }  
*Lansing, July 1, 1870.* }

TO HIS EXCELLENCY HENRY P. BALDWIN,

*Governor of Michigan:*

SIR,—I have the honor to present herewith the first annual report of the condition and affairs of Insurance companies organized under the laws of this State, and of those organized under the laws of other States and foreign governments, agreeably to the provisions of “An act in relation to life insurance companies transacting business in this State,” approved March 30, 1869, and also of “An act relative to the organization and powers of fire and marine insurance companies transacting business within this State,” approved April 3, 1869.

Immediately after the approval of the act relative to life insurance, all life companies incorporated by the laws of other States, and at that time authorized to do business in this, were notified of the provisions of section ten of said act, requiring a deposit of one hundred thousand dollars for the benefit of all policy-holders, with the State Treasurer of this State, or with the proper officer of the State where the company was incorporated. No actual deposit of securities has been made in this State. The companies notified, promptly filed a satisfactory certificate, showing the required deposit in their own

State, with but one exception,—the Great Western Life Insurance company, of Chicago, Illinois. This company, at that time having no deposit, withdrew from the State.

The enactments of 1869, requiring detailed annual statements of the actual condition of companies, have given general satisfaction, and very nearly meet the demands of the large and constantly increasing insurance interests of the State. The intent of these laws—to subserve the interest of all reliable companies, and give to the insured a guarantee of solvency—is clearly apparent.

In executing the law, the following amendments necessary to its practical working have suggested themselves, to which your attention is respectfully directed.

Both life and fire insurance companies are now required to report their condition at the close of the year, to this department, and file a statement thereof during the month of January. The time for filing these statements should be extended during the month of February, and in case of companies of foreign governments, until the first day of June, in each year. Very few companies are able to comply with the present requirement, as the time is too limited in which to receive full returns from different agencies and States, and compile a complete annual statement.

Some provision is needed requiring life insurance companies to appoint an attorney in this State upon whom process of law can be served.

Your attention is also called to a provision in section 23 of the act regulating fire insurance, preventing companies whose capitals are impaired to an extent of five per cent. from

doing business in this State while such impairment exists. After setting aside a reinsurance fund equal to fifty per cent. of gross unearned premiums, in addition to a reserve for all other liabilities, the present law making so slight an impairment of capital a bar to further business, works, in many cases, great injustice to safe and reliable companies. While the condition and affairs of companies should be rigidly investigated, and the items composing assets closely scrutinized, and all possible legal means used to exclude unsound companies, it is difficult to see the wisdom or policy of refusing authority to a company whose capital for the time being is so slightly impaired.

The act regulating life insurance companies confers no authority upon this department over the various coöperative and mutual benefit associations that are doing business in this State. Life insurance companies doing a legitimate business are required to possess a certain amount of first-class securities as assets, are subject to official scrutiny, are required to pay a specific tax upon gross receipts in this State, and may well complain of this unjust discrimination against them. A law giving the Secretary of State authority over these associations, together with a law regulating health and accident companies, is respectfully recommended.

In this report the statements of the companies organized under the laws of this State are given in full, and the statements of other companies are given in the form of abstracts, as it is not deemed expedient to print them entire.

Very respectfully,

O. L. SPAULDING,  
*Secretary of State.*





# FIRST ANNUAL REPORT ON INSURANCE,

BY THE

## SECRETARY OF STATE.

---

THE records showing the history of insurance in Michigan, prior to the year eighteen hundred and fifty-nine, are very defective.

On the twelfth day of February, eighteen hundred and fifty-five, an act was approved, entitled "An act in relation to insurance companies and insurance agents," the provisions of which applied only to companies of other States. No record of the names of companies doing business under that act exists, as annual statements were not required to be filed, and no supervision was had by any State authority.

Previous to the passage of the act named, and until the adoption of the Constitution of eighteen hundred and fifty, special charters were granted to various companies (a list of which is annexed) by the Legislative Council of the Territory and the Legislature of this State. No annual statements were required from these companies, and it is impossible to know the success attained, or the date when they suspended business.

### STOCK FIRE INSURANCE COMPANIES OF THIS STATE.

The insurance companies organized and now doing business in this State were incorporated by "An act for the incorporation of insurance companies, and defining their powers and duties," approved February 15, 1859.

The provisions of this act, except as relates to Farmers' Mutual Fire Insurance Companies, are suspended by the acts

of 1869, which very materially raise the standard of excellence required of stock companies.

The act of 1859 was found to be a most unreliable agent in ascertaining the true standing and condition of companies. Sworn annual statements were required as now, but no provision was made for a personal examination by the Secretary of State.

At the time of the approval of the act of 1869,—April 3,—the following stock fire insurance companies were transacting business :

NAME.	DATE OF INCORPORATION.	LOCATION.
Michigan State.....	Feb. 2, 1864.....	Adrian.
Detroit Fire and Marine.....	Jan. 20, 1866.....	Detroit.
State.....	Oct. 29, 1867.....	Lansing.
Etna Live Stock, Fire, and Tornado.....	Dec. 12, 1867.....	Oxford.

The assets and affairs of the Michigan State Insurance Company were examined by Geo. H. House, Esq., and the Detroit Fire and Marine Insurance Company by Sam'l H. Row, Deputy Secretary of State. Both these examinations were made in September, 1869, and the companies found to be in a sound and satisfactory condition.

On the 29th day of July, 1869, a commission was issued for an examination of the State Insurance Company of Lansing, but the commissioners were denied access to the books and papers of the company. The case was referred to the Attorney General, Hon. Dwight May, who made application to the Supreme Court for a writ of mandamus under Sec. 26, of the act of 1869, regulating fire insurance, to compel the company to submit its books to an inspection. The court held the act valid, and directed the writ to issue. The books, records, and affairs of the company were then examined by a commission consisting of Geo. H. House and H. D. Bartholomew, and a report thereon made to this Department.

The bonds and mortgages, composing largely the assets of the company, were not recorded, and were non-interest bearing. A notice was served upon the officers of the company, to pay in and re-invest the capital, and a subsequent examination of its affairs was made on the 31st day of May last, the result of which is given in detail, in connection with the supplementary annual statement of the company.

**ÆTNA LIVE STOCK, FIRE, AND TORNADO INSURANCE COMPANY,  
OF OXFORD.**

The condition of the Ætna Live Stock, Fire, and Tornado Insurance Company, of Oxford, is deemed unsound, and its affairs have been referred to the Attorney General, with request that he proceed to close it up at once. The Company is at present doing no business in this State.

*Names of Companies Chartered by the Legislative Council of the Territory  
and by the Legislature of Michigan.*

NAME.	LOCATION.	Date of Charter.	Expiration of Charter.
Michigan Insurance Company..	Detroit.....	March 7, 1884.	June 1, 1860.
Kalamazoo Mutual Ins. Co.....	Kalamazoo...	March 7, 1884.	March 7, 1854.
Michigan Mut. Fire Ins. Co.....	Ann Arbor...	March 21, 1887	March 21, 1857.
Adrian Insurance Company....	Adrian.....	April 17, 1889.	Repealed Jan. 24, [1853.]
Berrien County Mut. Ins. Co....	Niles.....	April 17, 1889.	April 17, 1859.
Marshall Mutual Ins. Co.....	Marshall.....	March 25, 1840	March 25, 1890.
Oakland Co. Mut. Fire Ins. Co..	Pontiac.....	March 9, 1848.	
Peninsular Mut. F. and M. Ins. Co. Name changed to Detroit F. & M. Ins. Co., March 31, '49	Detroit.....	March 12, 1844	March 12, 1884.
Macomb County Mut. Ins. Co...	Mt. Clemens.	April 8, 1848..	April 8, 1878.
Northwestern Health Ins. Co....	Ann Arbor...	March 30, 1840	March 30, 1860.
North American Health Ins. Co. Name changed to North Amer- ican Health and Life Ins. Co., March 31, 1849. Changed again to Northwestern Health, Life and Fire Ins. Co., March 29, '50	Detroit .....	March 30, 1840	March 30, 1860.

*List of Insurance Companies organized under the Act of 1869, and amendments thereto, not now doing business in the State.*

NAME.	Location.	Date of Organization.
German Farmers' Fire Ins. Co. of Washtenaw County	Lodi, Mich...	Sept. 5, 1859.
The Oakland County Farmers' Mutual Ins. Co.....	Oxford.....	May 22, 1863.
Michigan Home Insurance Company.....	Oxford.....	Jan. 9, 1863.
Michigan Central Mutual Insurance Company .....	Kalamazoo...	March 7, 1864.
Climax Mutual Fire Insurance Co. of Detroit.....	Detroit.....	July 19, 1864.
National Life and Health Insurance Company.....	Kalamazoo...	Jan. 19, 1865.
Fire Ins. Co. of Macomb, Lapeer, and Oakland Cos...	Romeo.....	Jan. 31, 1865.
Home Insurance Company of Coldwater, Mich.....	Coldwater....	March 4, 1865.
Merchants' and Farmers' Mut. Ins. Co. of Michigan..	Jackson.....	March 10, '66.
The People's Mut. Fire Insurance Co. of Detroit....	Detroit.....	March 30, '66.
Peninsular Mutual Life Insurance Company.....	Detroit.....	Nov. 15, 1866.
The Peninsular Fire Insurance Company of Detroit..	Detroit.....	Jan. 28, 1867.

1st day of December, 18

ASSESSMENT

Rates Per Cent. of.		
On Property.	On Pr. Notes.	Am't collected and paid in during the year.
0 $\frac{3}{4}$ cent. ....	--	\$5,350 00
0 of a mill...	--	170 00
-----	7	2,892 97
0 of a mill...	--	298 86
00 of 1 $\frac{3}{4}$ ct..	--	-----
0 of 1 mill $\frac{3}{4}$ \$1	--	2,168 20
0 of a mill...	--	575 44
2. $\frac{3}{4}$ \$100.....	--	250 00
1 mill $\frac{3}{4}$ \$1..	--	4,035 26
-----		276 75
100 of 1 $\frac{3}{4}$ ct..	--	8,388 26
0575 $\frac{3}{4}$ \$1,000	--	364 54
mills .....	--	2,886 27
100 .....	--	1,154 00
le over 1 mill	--	1,760 00
mill .....	--	1,143 05
-----		-----
mills $\frac{3}{4}$ \$1	--	-----
10 $\frac{3}{4}$ \$1,000..	--	-----
55 $\frac{3}{4}$ \$1,000..	--	8,543 37
mills $\frac{3}{4}$ \$1....	--	2,100 45
8-10 mills..	--	4,840 87
46-100 mills	--	10,592 00

be Company of Allegan and



---

---

MICHIGAN STOCK FIRE INSURANCE COMPANIES.

---

—◆—  
ABSTRACTS,

Compiled from the Annual Statements

OF THE

FIRE INSURANCE COMPANIES

OF THE

STATE OF MICHIGAN,

Showing their Condition on the 31st day of December,  
1869.

---

---





# MICHIGAN STATE INSURANCE COMPANY.

[ Located at Adrian : incorporated Feb. 2, 1864. ]

WM. S. WILCOX, *President.*

HENRY HART, *Secretary.*

Capital Stock of the Company, \$150,000.

## I. ASSETS.

Loans on bond and mortgage (first liens).....	\$83,500 28
Interest accrued on bond and mortgage loans.....	2,809 94
Value of mortgaged premises (buildings insured for \$58,275), \$180,075.	

### *Stocks and Bonds owned by the Company:*

	Par Value.
U. S. 5-20 and 10-40 bonds.....	\$21,250 00
City of Adrian, Mich.....	11,000 00
"    Jackson, Mich.....	5,000 00
"    Hillsdale, Mich.....	2,000 00
Village of Hudson.....	1,200 00
School bond, city of Adrian, Mich.....	15,200 00
"    "    village of Tecumseh, Mich.....	6,000 00
"    "    "    of Greenville, Mich.....	7,000 00
"    "    town of Raisin, Lenawee county.....	500 00
"    "    city of Leavenworth, Kansas.....	25,000 00
Lenawee county.....	1,800 00
Mendon township, St. Joseph county, Mich.....	500 00
School bond, Wauseon, Ohio.....	484 00
Total par value.....	96,414 00
Amount of loans by the Company, viz: on personal security...	\$2,400 00
Cash deposited in hands of W. H. Stone, banker.....	\$19,780 68
Cash deposited in hands of the Secretary.....	488 28
Cash in hands of Agents.....	6,000 00
Total amount of cash items.....	26,268 96
Amount of interest accrued.....	8,786 28
Gross Premiums.....	58,685 41
Amount of all other property.....	1,800 00
Total gross amount of Assets.....	\$268,709 97
Amount deducted.....	8,000 00
Aggregate amount of all the available assets.....	\$258,709 97

## III. LIABILITIES.

Losses unadjusted, including all reported and supposed losses.....	\$5,710 37
Losses resisted, including interest and costs, upon which no suits have been commenced.....	2,950 00
Net amount of all unpaid losses and claims.....	<u>\$8,660 37</u>
Re-insurance at 50 per cent. of prem. on fire risks under one year, \$28,682 84	
Re-insurance <i>pro rata</i> on fire risks running more than one year.. 67,001 68	
Amount required to safely re-insure all outstanding risks of the Company, estimated at fifty per cent. of gross premiums on risks not terminated..	47,963 26
Aggregate liabilities, including capital and net surplus.....	<u><u>\$56,523 63</u></u>

## IV. INCOME.

Gross cash premiums received during the year.....	\$77,744 57
Interest received on bonds and mortgages.....	5,718 81
Interest received from all other sources.....	5,391 10
Aggregate income received during the year in cash.....	<u><u>\$88,854 48</u></u>

## V. EXPENDITURES.

Net amount paid during the year for losses.....	\$27,456 26
Amount paid for commissions and brokerage.....	11,161 68
Salaries and other charges of officers, clerks, and other employes.....	2,938 15
Amount paid for State and local taxes.....	851 26
Amount paid for national taxes and duties.....	2,474 40
Amount of all other payments, viz: advertising, rents, stamps, stationery, printing, and all other office expenses.....	4,114 29
Aggregate expenditures during the year in cash.....	<u><u>\$50,996 34</u></u>

REPORT OF THE COMMISSIONER APPOINTED TO EXAMINE THE MICHIGAN  
STATE INSURANCE COMPANY.

*Lansing, July 20, 1870.*

HON. O. L. SPAULDING, *Secretary of State*:

SIR—On the 18th inst., I examined the Michigan State Insurance Company, of Adrian, and report the condition of the company at that date, as follows:

## I. CAPITAL.

Amount of full paid capital.....	<u><u>\$150,000 00</u></u>
----------------------------------	----------------------------

## II. ASSETS.

Bonds and mortgages.....	\$94,750 00
U. S. bonds.....	9,250 00
Municipal bonds.....	78,864 00
Interest due and accrued.....	8,400 00
Safes and furniture.....	1,800 00
Cash in bank.....	8,747 18
Agents' accounts and notes for premiums.....	48,826 65
Loans on personal security,—indorsed notes.....	2,711 85
Total assets.....	<u>\$246,849 18</u>

## III. LIABILITIES.

Losses adjusted and unpaid.....	\$2,800 65
Losses unadjusted.....	2,725 00
Loss resisted.....	1,000 00
Re-insurance at 50 per cent.....	47,000 00
Liabilities, exclusive of capital.....	<u>\$58,065 65</u>
Amount of full paid capital.....	150,000 00
	<u>\$208,065 65</u>
Net surplus over capital.....	<u>\$48,768 48</u>

The company declared and paid an annual dividend of 15 per cent.,—  
\$22,500,—on the 1st day of February, 1870.

Respectfully submitted.

SAM'L H. ROW,  
*Special Com'r.*

# DETROIT FIRE AND MARINE INSURANCE COMPANY.

[ Located in Detroit, Mich. ; incorporated Jan. 20, 1866. ]

·CALEB VAN HUSAN, *President*. JAMES J. CLARK, *Secretary*.

Capital Stock of the Company, \$150,000.

## I. ASSETS.

Loans on bond and mortgage (first liens).....	\$142,350 00
Interest accrued on bond and mortgage loans .....	4,572 87
Value of mortgaged premises (buildings insured for \$84,700) \$325,700.	

### *Stocks and Bonds owned by the Company :*

	Market Value.	
U. S. 5-20 bonds.....	\$61,000 00	
State of Michigan (7 per cent. war loan).....	7,000 00	
Total market value .....		68,000 00
Amount of loans by the Company, viz: on personal security..	\$10,000 00	
Amount of cash on hand.....	491 83	
Cash deposited in the American National Bank.....	14,258 24	
Cash in hands of agents.....	4,005 01	
Total amount of cash items.....		18,755 07
Amount of interest accrued.....		302 52
Amount of interest due and unpaid.....		681 74
Gross premiums .....		14,069 15
Amount of all other property .....		3,285 09
Total gross amount of all the assets.....		\$255,662 24
Amount deducted.....		1,445 73
Aggregate amount of all the available assets.....		\$255,216 61

## II. LIABILITIES.

Losses unadjusted, including all reported and supposed losses.	\$5,947 19
Losses resisted, including interest, costs, and expenses.....	1,850 00
Net amount of all unpaid losses and claims.....	\$7,797 19
Amount required to safely re-insure all outstanding risks of the Company at fifty per cent. of gross premiums on risks not terminated .....	49,808 54
Amount due and accrued for salaries, &c.....	116 67
Amount of all other claims against the Company.....	2,545 95
Total liabilities except capital and net surplus.....	60,268 35

Total liabilities except capital and net surplus, brought forward.....	\$802,68 85
Amount of joint stock capital paid up, in cash.....	150,000 00
Net surplus over and above all liabilities.....	44,958 26

Aggregate liabilities, including capital and net surplus.....	<u>\$255,216 61</u>
---	---------------------

## III. INCOME.

Gross cash premiums received during the year on fire risks.....	\$97,679 12
“ “ “ on marine and inland risks.....	88,177 46
Total amount.....	<u>\$185,856 58</u>
Deduct only for re-insurance, rebate, and return premium..	17,891 77
Total net amount of cash received for premiums.....	\$117,964 81
Marine and inland premiums not paid in cash.....	\$9,441 87
Interest received on bonds and mortgages.....	10,780 22
“ and dividends received from all sources.....	8,769 86
Total income received from all other sources.....	5,295 05
Aggregate income received during the year in cash.....	<u>\$142,803 94</u>

## IV. EXPENDITURES.

Net amount paid for fire losses during the year.....	\$30,714 17
“ “ marine and inland losses.....	16,005 89
Net amount paid for losses (of which \$19,970 57 belonged to prior years)..	<u>\$46,720 06</u>
Amount of cash dividends paid during the year.....	22,500 00
“ paid for commissions and brokerage.....	11,585 59
Salaries and other charges of officers, clerks, and other employes.....	12,788 81
Amount paid for State and local taxes.....	1,559 75
“ “ National taxes and duties.....	8,850 81
“ of all other payments, viz: revenue stamps, printing, advertising, rent, &c.....	6,942 85
Aggregate expenditures during the year in cash.....	<u>\$105,841 87</u>

REPORT OF THE COMMISSIONER APPOINTED TO EXAMINE THE DETROIT  
FIRE AND MARINE INSURANCE COMPANY.

*Lansing, July 20, 1870.*

Hon. O. L. SPAULDING, *Secretary of State*:

SIR,—I herewith submit a statement of the condition and affairs of the Detroit Fire and Marine Insurance Company of Detroit, on the 1st day of July, 1870, as shown by the books and records of the Company, personally examined by me on the 14th inst.

SAM'L H. ROW,  
*Special Com'r.*

## I. CAPITAL.

Amount of full paid capital.....	\$150,000 00
----------------------------------	--------------

## II. ASSETS.

1. Cash on hand and in Bank.....	\$9,869 18
2. Bonds and mortgages.....	154,450 00
3. U. S. 5-20 bonds.....	55,000 00
4. Premium on bonds.....	8,850 00
5. Loans on personal security—endorsed notes.....	10,000 00
6. Bills receivable—marine risks.....	43,846 07
7. Fire Premium notes.....	102 40
8. Salvage claims.....	731 40
9. Office furniture.....	1,431 19
10. Deposits with National and Detroit Board of Underwriters.....	276 00
11. Uncollected Hull premiums.....	50 00
12. Uncollected interest on loans due.....	3,475 65
13. Fire premiums—home office.....	4,168 95
14. Due from other companies.....	2,818 78
15. Due from sundry agents.....	4,489 67
16. Accrued interest.....	1,889 33
<b>Total assets.....</b>	<b>\$294,887 96</b>

## III. LIABILITIES.

Fire losses accrued.....	\$5,984 25
Marine losses accrued.....	868 40
U. S. revenue tax on dividend and surplus.....	830 84
Due other companies for re-insurance.....	2,450 15
Due sundry agents.....	82 10
Re-insurance at fifty per cent.....	70,714 95
<b>Liabilities exclusive of capital.....</b>	<b>\$80,920 69</b>
<b>Capital stock.....</b>	<b>150,000 00</b>
	<b>\$230,920 69</b>

Net surplus over capital, \$63,967 27.

The Company paid a semi-annual dividend of 5 per cent. in January, 1870.

# STATE INSURANCE COMPANY.

[Located at Lansing, Mich. ; incorporated October 29th, 1867.]

I. H. BARTHOLOMEW, *President*. G. W. CHANDLER, *Ass't Sec'y*.

Capital Stock of the Company, \$100,000.

## II. ASSETS.

Loans on bond and mortgage (first liens).....	\$97,000 00
Value of mortgaged premises (the buildings insured for \$3,100)..<	\$211,900 00

### *Stocks and Bonds owned by the Company :*

Township of Oneida, Eaton Co., Michigan, R. R.....	2,500 00
"      Ionia, Ionia Co., Michigan, R. R.....	500 00
American Merchants' Union Express Company .....	750 00
Amount of bonds of this and other States .....	2,750 00
"      cash in hands of the Treasurer.....	\$584 88
Cash in hands of agents and in course of transmission.....	18,888 91

Total amount of cash items.....	14,428 24
Bills receivable, not matured, taken for fire risks.....	5,597 90
Bills receivable, past due, taken for fire risks.....	15,174 85
Amount due on judgments obtained.....	525 00
Amount of all other property belonging to the Company, viz : claims on losses already paid, office furniture, &c.....	1,425 00
Installment account—contracts for annual premiums.....	\$62,526 41

Total gross amount of all the assets of the Company.....	187,894 79
Amount deducted.....	2,000 00

Aggregate amount of all actual available assets.....	\$185,894 79
--	--------------

## III. LIABILITIES.

Losses unadjusted, including all reported and supposed losses..	\$1,666 40
---	------------

Net amount of all unpaid losses and claims.....	\$1,666 40
Re-insurance at 50 per cent. of prem. on fire risks under one year	\$5,880 47
"      pro rata, on fire risks running more than one year..	7,652 96

Amount required to safely re-insure all outstanding risks.....	6,991 78
Amount of all other demands against the Company, viz : salaries, rent, ad- vertising, and for agency, and other miscellaneous expenses.....	2,988 77

Aggregate liabilities, including capital and net surplus.....	\$12,596 90
---	-------------



## IV. INCOME.

Gross cash premiums received during the year on fire risks.....	\$22,892 42
Deduct only for re-insurance, rebate, and return premiums.....	589 62
Total net amount of cash received for premiums.....	\$22,802 80
(Of the amount shown by item five above, \$2,500 belonged to prior years.)	
Amount received for premiums which have not been paid in....	\$5,108 40
Interest and dividends received from all other sources.....	94 48
Aggregate income received during the year in cash.....	\$22,897 28

## V. EXPENDITURES.

Gross amount paid for fire losses during the year.....	\$6,825 29
Deduct salaries and re-insurance collected.....	125 00
Net amount paid for losses, of which \$282 belonged to prior years.....	\$6,500 29
Salaries and other charges of officers, clerks, and other employees.....	12,862 52
Amount paid for State and local taxes.....	1,112 27
Amount paid for National taxes and duties .....	376 76
Amount of all other payments, viz: stationery, advertising, rent, &c.....	2,944 28
	\$23,796 22

*To the Hon. the Secretary of State of Michigan :*

We, the undersigned, appointed by you as Commissioners to examine into the condition of the State Insurance Company of Lansing, under the provisions of "An act relative to the organization and powers of Fire and Marine Insurance Companies transacting business within this State," approved April 8d, 1869, would respectfully report :

We commenced said examination June 1st, 1870, with a view of obtaining the condition of the Company on the 31st of May. The Company is operating under a charter granted to a prior organization, dated Oct. 14, 1867, and running for a period of thirty years. The present, or new organization, was organized Nov. 22d, 1869, and is composed largely of a new set of stockholders.

The directors and stockholders of the old organization, known as the "State Insurance Company of Lansing," withdrew from the Company Nov. 22d, 1869, and the board of directors of the present organization purchased all the right, title, and interest of the stockholders of the old organization in and to the affairs of said Company, as appears by the terms of a written agreement, entered into and signed by the officers and directors of both old and new organizations; and by the terms of said agreement all the personal property or assets of said old organization

were passed over to the new, and all the liabilities for outstanding losses and policy risks in force of said old organization were assumed by the new organization. This fact necessitated an examination of the affairs of the Company as constituted prior to Nov. 22d, 1869, and as it exists under its new management, in order to obtain its actual condition.

The following is a statement of the assets and liabilities of the old organization as they existed May 31st, 1870. The assets as given with the office furniture now owned by the new organization, and the premium notes paid since Nov. 22d, 1869 (date of new organization), comprised the capital stock of the old organization at that date. The "premium notes," comprising mainly the assets, are notes of hand taken for cash premiums, falling due in a few weeks or months from date, some of which have been sent out to agents for collection from time to time, and some of which still remain in the hands of the Company :

## ASSETS.

	In hands of Agents.	In hands of Company.
Premium notes taken in 1864.....	\$ 790 74	\$ 685 19
" " " 1865.....	1,291 94	1,489 94
" " " 1866.....	788 86	680 28
" " " 1867.....	2,108 97	655 88
" " " 1868.....	1,860 98	608 01
" " " 1869.....	2,521 46	1,848 19
	<hr/>	<hr/>
	\$9,812 95	\$5,502 44
	<hr/>	<hr/>
Total in hands of agents.....		\$9,812 95
" " Company.....		5,502 44
Book account, due from agents and individuals.....		7,840 08
		<hr/>
		\$22,155 42
		<hr/>

## LIABILITIES.

Lien of new organization on assets for accrued losses, \$3,800, and re-insurance of outstanding policies, \$4,500.....	\$7,500 00
Personal indebtedness for loans.....	9,915 20
Amount due for salaries.....	1,895 87
	<hr/>
	\$19,611 07
	<hr/>

The capital stock of the Company as now organized is \$100,000. This capital is made up of bonds and mortgages, most of which run from fifteen to twenty-seven years, given to the Company by individual stockholders, which mortgages are mostly on city property owned by said stockholders, and were not an actual cash purchase by the Company, or taken as security for money loaned.

As to the value of the lands upon which the bonds and mortgages held by the Company are given, we have made no examination or estimate,

not deeming it to come within the province of our duty, without special instructions.

The following is a statement of the assets and liabilities of the Company, as they existed May 31st, 1870, according to the books and necessary evidences in possession of the Company at that date, without including the assets and liabilities of the old organization :

## ASSETS.

1. Bonds and mortgages.....	\$97,000 00
2. Town of Oneida, I. & L. R. R. bonds.....	2,500 00
3. Town of Ionia, I. & L. R. R. bonds.....	500 00
4. Twenty shares A. M. U. Express Co. stock,—\$100 each,— market value.....	890 00
5. Office furniture.....	768 42
6. Cash on hand.....	885 98
7. Personal accounts.....	140 20
8. Due from agents.....	1,857 16
9. Bills receivable—notes for cash premiums.....	868 86
10. * Lien on securities of old organization, consisting of pre- mium notes, guaranteed by personal agreement of L. K. Hewett, J. T. Whitcomb, C. L. Whitcomb, and Geo. W. Chandler, officers and directors of old organization.....	7,800 00
11. Accrued interest on mortgages to May 31, 1870.....	3,488 00
	<hr/>
	\$115,637 92

## LIABILITIES.

1. Losses adjusted, not due, of old organization.....	\$1,700 00
" unadjusted of old organization.....	1,200 00
" reported of old organization.....	400 00
2. Due for salaries.....	544 39
3. Amount necessary to re-insure the risks of new organiza- tion at 50 per cent. of unearned premiums.....	1,998 54
4. Amount necessary to re-insure the risks of old organiza- tion, same basis.....	4,500 00
5. Capital stock.....	100,000 00
	<hr/>
	\$110,342 83

The foregoing detailed statements exhibit separately the affairs of the Company as they existed prior to its reorganization, and as they existed May 31st, 1870, without including the assets and liabilities of the old organization. Combining said statements, we have the following table,

---

\* The new organization hold as security the premium notes of the old organization, and the personal agreement of L. K. Hewett, J. T. Whitcomb, C. L. Whitcomb, and George W. Chandler, officers and directors of the old organization, against all losses that may hereafter occur under the policies of said old organization now in force, and all policy risks of the old organization are assumed by the new, by the terms of the written agreement heretofore referred to, and entered into by the directors of the old and new organizations, a copy of which is hereto attached, marked Schedule "C."

showing the actual condition of the State Insurance Company, May 31st, 1870:

## ASSETS.

1. Bonds and mortgages.....	\$97,000 00
2. Town of Oneida, I. & L. R. R. bonds.....	2,500 00
3. Town of Ionia, I. & L. R. R. bonds.....	500 00
4. Twenty shares A. M. U. Express Co. stock,—\$100 per share,—market value.....	890 00
5. Office furniture.....	768 42
6. Cash on hand.....	885 28
7. Personal accounts.....	140 20
8. Due from agents.....	1,857 16
9. Bills receivable—notes for cash premiums.....	868 86
10. Premium notes of old organization.....	14,815 89
11. Book accounts, due from agents and individuals (old organization).....	7,840 08
12. Accrued interest on mortgages to May 31st, 1870.....	3,488 00
	<hr/>
	\$129,998 84

## LIABILITIES.

1. Losses adjusted, not due.....	\$1,700 00
"    unadjusted.....	1,300 00
"    reported.....	400 00
2. Due for salaries, new organization.....	544 29
"    "    old.....	1,895 87
3. Amount necessary to re-insure outstanding risks.....	6,498 54
4. Indebtedness for money loans.....	9,915 20
	<hr/>
(Liabilities excluding capital stock).....	\$22,158 90
5. Capital stock.....	100,000 00
	<hr/>

Total liabilities..... \$122,158 90

We append herewith a detailed statement of the mortgages held by the company, marked Schedule "A." Many of the mortgages, at the date of our examination, lacked the signature of the wife of the mortgagor, but this has since been partially remedied, and the officers of the company promise that all shall be made correct in this particular.

We append also herewith, marked Schedule "B," a list of the stockholders of the company, as appears by their stock book, with the amount of stock subscribed by each. The stock book of the company is one prepared for the old organization, and lacks the proper and legal heading usually prefixed to the stock books of corporations, the heading merely giving the name, post-office address, and number of shares of stock of each stockholder. The officers of the company also promise that this defect shall be remedied.

All of which is respectfully submitted.

SAM'L H. ROW,  
N. B. JONES,  
*Commissioners.*

SCHEDULE "A."—*Bonds and Mortgages.*

Number.	NAME OF MORTGAGOR.	DATE OF MORTGAGE.		Amount of Mortgage.	Rate of Interest.	Value of Lands.	Val. of Insurance held by Co.
		When Given.	When Due.				
1	L. K. Hewitt.....	Nov. 22, 1869.....	20 years.....	\$10,500	7 per cent..	\$21,000	.....
2	E. R. Merrifield, Assignee Ann L. and Wm. M. Carr.	Aug. 12, 1867.....	Aug. 12, 1888.....	1,000	10 per cent.	2,000	.....
2½	E. R. Merrifield, Assignee A. Harrison and wife.....	April 1, 1867.....	April 1, 1868.....	1,000	10 per cent.	2,000	.....
3	Effie A. Bartholomew.....	May 10, 1870.....	Oct. 14, 1897.....	1,500	7 per cent..	3,000	.....
3½	James F. Smiley.....	May 10, 1870.....	Oct. 14, 1897.....	1,000	7 per cent..	2,000	.....
4	James Cummin.....	Nov. 22, 1869.....	Oct. 14, 1897.....	5,000	7 per cent..	10,000	.....
5	Whitney Jones.....	Nov. 22, 1869.....	20 years.....	5,000	7 per cent..	10,000	.....
6	A. N. Hart.....	Nov. 22, 1869.....	20 years.....	15,000	7 per cent..	30,000	.....
7	E. A. Bartholomew and I. H. Bartholomew.....	Nov. 22, 1869.....	15 years.....	2,000	7 per cent..	4,000	.....
8	C. H. Darrow, Assignees Solon D. and Mary E. Nealey	Nov. 20, 1869.....	1 year.....	1,660	10 per cent.	3,320	.....
9	John W. Longyear.....	Nov. 22, 1869.....	Oct. 14, 1897.....	5,000	7 per cent..	10,000	.....
10	H. Ingersoll.....	Nov. 22, 1869.....	Oct. 14, 1897.....	5,000	7 per cent..	7,000	\$3,000
11	John W. Edmonds.....	Nov. 22, 1869.....	Oct. 14, 1897.....	1,000	7 per cent..	2,000	.....
12	John J. Bush.....	Nov. 22, 1869.....	Oct. 14, 1897.....	10,000	7 per cent..	20,000	.....
13	Charles Cannell.....	Nov. 22, 1869.....	Oct. 14, 1897.....	2,000	7 per cent..	4,000	.....

14	Nancy S. Thayer.....	Nov. 22, 1869.....	Oct. 14, 1897.....	8,000	7 per cent..	6,000	.....
15	Cyrus Hewitt.....	Nov. 22, 1869.....	15 years.....	2,800	7 per cent..	5,000	.....
16	Charles H. Shepard.....	Nov. 22, 1869.....	23 years.....	2,500	7 per cent..	5,000	.....
17	J. V. Shank, Assignee H. B. Shank.....	Nov. 20, 1869.....	5 years.....	1,500	7 per cent..	1,800	1,200
18	Wm. L. Larned.....	Nov. 22, 1869.....	Oct. 14, 1897.....	5,000	7 per cent..	7,000	8,000
19	J. W. Higga.....	Nov. 22, 1869.....	Oct. 14, 1897.....	1,000	7 per cent..	1,100	900
20	H. B. Shank and Geo. E. Ranney.....	Nov. 22, 1869.....	Oct. 14, 1897.....	2,000	7 per cent..	4,000	.....
21	W. H. and Julia Chapman.....	Nov. 22, 1869.....	20 years.....	10,000	7 per cent..	20,000	.....
22	Geo. M. Dayton.....	Nov. 22, 1869.....	Oct. 14, 1897.....	500	7 per cent..	1,000	.....
23	J. B. Hull.....	Nov. 22, 1869.....	20 years.....	2,000	7 per cent..	4,000	.....
24	Charles Smith, Assignee C. H. Darrow.....	Sept. 14, 1868.....	6 years.....	340	7 per cent..	680	.....
Totals.....		.....	.....	\$97,000	.....	\$185,000	\$8,100

## SCHEDULE "B."

*List of Stockholders of State Insurance Company with amount of Stock owned by each, May 31, 1870.*

L. K. Hewett .....	\$11,000
A. N. Hart .....	15,000
Wm. H. Chapman .....	10,000
John J. Bush .....	10,000
John W. Longyear .....	5,000
E. R. Merrifield .....	2,000
Whitney Jones .....	5,000
James Cummin .....	5,000
H. B. Shank .....	2,500
Cyrus Hewitt .....	5,000
I. H. Bartholomew .....	3,500
A. R. Thayer .....	3,000
Geo. E. Ranney .....	1,000
J. W. Higgs .....	1,000
Geo. M. Dayton .....	500
J. B. Hull .....	2,000
C. H. Darrow .....	2,000
C. H. Shepard .....	2,500
J. W. Edmonds .....	1,000
Chas. Cannell .....	2,000
Harley Ingersoll .....	5,000
Wm. L. Larned .....	5,000
James F. Smiley .....	1,000
Total .....	<u>\$100,000</u>

## SCHEDULE "C."

**WHEREAS**, The parties hereunto, who have heretofore constituted the directors and stockholders of the State Insurance Company, have entirely withdrawn from said Company, and new stockholders and a new board of directors having purchased all the right, title, and interest of the retiring stockholders and directors; now, therefore, this agreement

*Witnesseth*, The new stockholders and directors agree to purchase all of the personal property, books, and blanks, &c., at such price as may be agreed on by the two boards of directors; also, to collect as far as possible the amounts now due said Company, and from such collections to pay the unsettled losses, and such losses as may hereafter accrue on outstanding policies, and to pay the surplus, if any there be, to the retiring directors.

And the retiring stockholders and directors do hereby agree to sell the said personal property, books, blanks, &c., at such price as may be agreed on by the two boards of directors, payment therefor to be made when there shall be sufficient funds realized from the business by the new directors and stockholders; and they further agree to transfer, and hereby do transfer, all their books of accounts, and all outstanding credits, to the new board of directors, to be collected and applied as hereinbefore set forth. Said new directors to be allowed to use the assets so far as may be necessary for the purpose of paying such losses as may occur under the new management, before sufficient has been realized from the new business to meet such losses.

The express object and intention of this agreement being to convey all the right, title, and interest of the old directors and stockholders to the new ones, reserving only the surplus to be realized on notes and accounts now due and to become due, the new directors and stockholders being allowed time on the purchase of the personal property, and also the use of the assets of the retiring directors and stockholders until such time as their own receipts shall be sufficient to meet all current liabilities, for the purpose of avoiding the necessity of levying assessments. And the retiring directors for themselves individually do guarantee that there are sufficient assets belonging to the old directors and stockholders to cancel and pay all the indebtedness of said retiring directors and stockholders,



whether now due or that may hereafter become due on their outstanding policies.

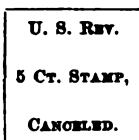
DATED THIS 22d OF NOVEMBER, 1869.



L. K. HEWETT, *President and Director.*  
 J. T. WHITCOMB, *Sec'y, Treas., and Director.*  
 C. L. WHITCOMB, *Director.*  
 GEO. W. CHANDLER, *Director.*

I. H. BARTHOLOMEW, *Pres't and Director.*  
 SAM'L W. ODELL, *Sec., Treas., and Director.*  
 JOHN J. BUSH, *Director.*

E. R. MERRIFIELD, *Stockholder.*



GEO. W. CHANDLER, "  
 WHITNEY JONES, "  
 A. W. WILLIAMS, "  
 WM. H. CHAPMAN, *Director.*  
 H. B. SHANK.

---

NOTE.—Since the above report was made, the commissioners further report that the Company have perfected their stock book, and also the bonds and mortgages by the additional signature of the wife of the mortgagor, where such signature was lacking. The Company have obtained the following securities as an additional guarantee for the fulfillment of the contract referred to, viz: An assignment of the stock of L. K. Hewett in the State Insurance Company, amounting to \$11,000. A mortgage executed by L. K. Hewett and wife upon real estate situate in this State, for \$10,000, and also a mortgage given by C. L. Whitcomb, on lands in the State of Illinois, for \$5,000. Said contract has been so amended as to include all the liabilities of the Company.

---

---

MICHIGAN LIFE INSURANCE COMPANIES.

—◆—  
ABSTRACTS,

**Compiled from the Annual Statement**

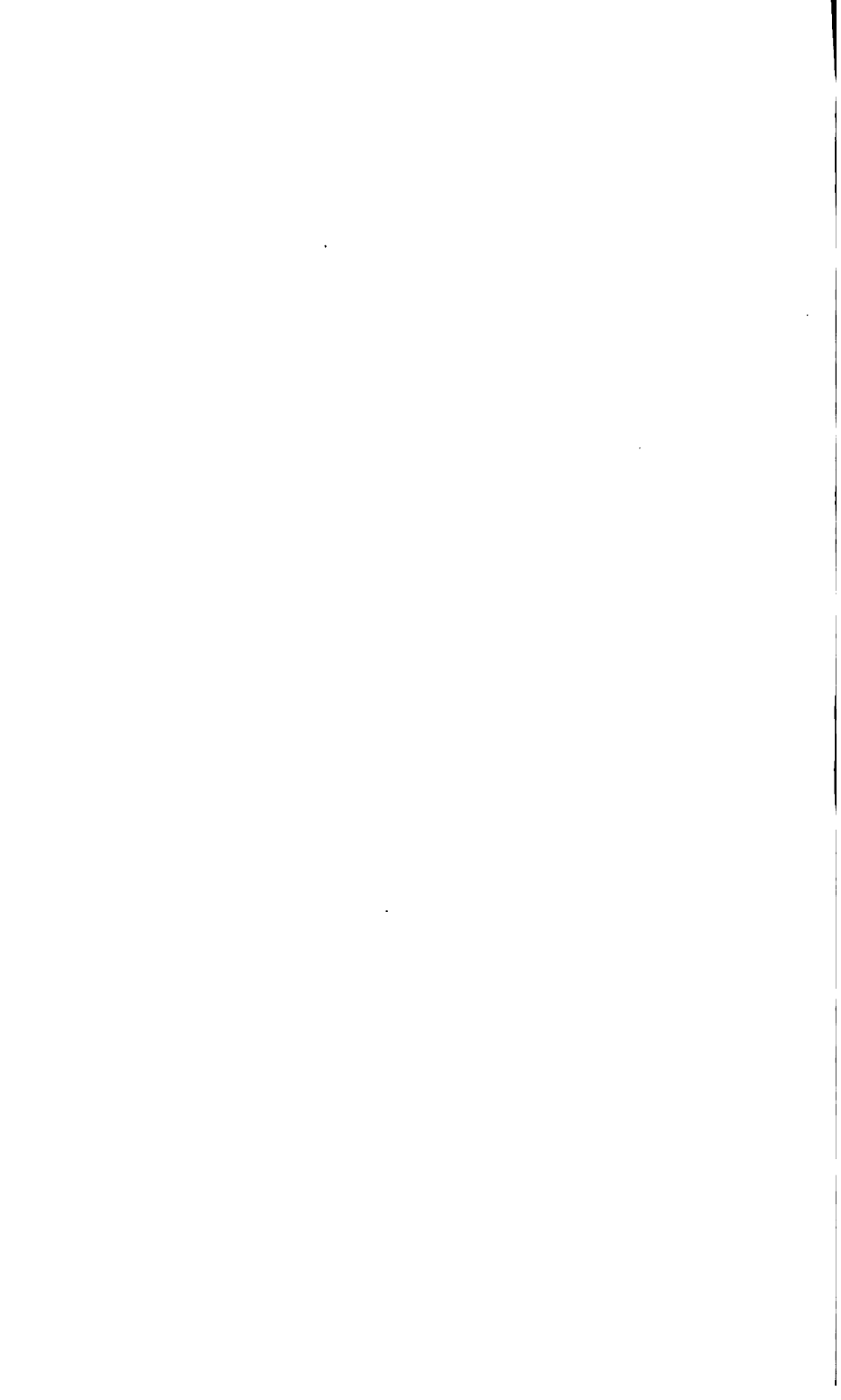
OF THE

**MICHIGAN MUTUAL LIFE INSURANCE CO.,**

**Showing its Condition on the 31st day of December, 1869.**

---

---



# MICHIGAN MUTUAL LIFE INSURANCE COMPANY.

[ Located in Detroit; incorporated, 1867. ]

JOHN J. BAGLEY, *President.*      JOHN T. LIGGETT, *Secretary.*

Capital Stock of the Company, \$51,509 17.

## I. ASSETS.

Loans on bonds and mortgage (first liens).....	\$56,493 76
Interest due on said mortgages.....	1,638 90.
Value of lands mortgaged.....	\$120,500 00
Value of the buildings mortgaged, insured for \$17,950 as collateral.....	27,000 00
<b>Total value of mortgaged premises.....</b>	<b>\$147,500 00</b>

### *Stock Loans on Collaterals:*

	Par Value.	Market Val.	Am't Loaned.	
Amer. National Bank stock, Detroit	\$1,000 00	\$1,200 00	\$1,000 00	
“ “ “ “	1,000 00	1,200 00	1,000 00	
Second “ “ “	12,500 00	15,000 00	8,700 00	
Amer. Mer. Union Ex. Co. stock ...	4,500 00	1,733 00	1,000 00	
Mich. Mut. Life Ins. Co. stock, Det.	1,833 88	1,833 88	1,080 88	
“ “ “ “ “	2,888 88	2,888 88	500 00	
<b>Total value of amount loaned..</b>	<b>\$23,166 66</b>	<b>\$23,293 66</b>	<b>\$8,280 88</b>	<b>\$8,280 88</b>
Cash in Company's office.....			\$3,085 06	
Cash deposited in the American National Bank.....			6,416 41	
<b>Total amount of cash items.....</b>				<b>9,451 47</b>
Interest due and accrued except on mortgages and premium notes.....				81 11
Premiums in hands of agents and in course of collection.....				10,468 60
Office premiums in course of collection.....				1,875 77
Deferred premiums for the year.....				7,560 52
Premium notes given on policies in force.....				7,386 39
Amount of actual loans (being notes taken for premiums).....				1,738 29
Present value of commuted commissions.....				13,412 20
Amount of all other property belonging to the Company, consisting of furniture and fixtures, including safe, less 10 per cent. for wear.....				1,079 11
<b>Aggregate amount of all assets.....</b>				<b>\$116,481 04</b>

## II. LIABILITIES.

Amount required to safely re-insure all outstanding policies as per the legal standard, being the American Experience Life Table, at four and a-half per cent interest.....	\$50,986 65
Interest and dividends declared to stockholders.....	678 04
Amount due and accrued for salaries, rent, and other expenses.....	800 00
<b>Total liabilities except capital stock .....</b>	<b>\$51,909 69</b>
Amount of paid up cash capital.....	51,509 17
<b>Aggregate amount of liabilities.....</b>	<b>\$108,418 86</b>

## III. INCOME.

Total amount of cash actually received for premiums.....	\$50,007 48
Notes and other obligations received during the year for premiums, not actually paid in cash, less canceled notes on forfeited policies.....	4,162 85
Cash received for interest on notes and other obligations given for premiums.....	578 84
Interest received on bonds and mortgages.....	1,496 28
Amount of income received from all other sources, consisting of the following items:	
Incidentals .....	17 66
Discount on mortgages purchased.....	586 89
Premium loan notes paid in cash.....	17 70
Assessment on guarantee capital on call of \$85,000.....	86,509 17
<b>Aggregate amount of income actually received during the year.....</b>	<b>\$93,805 77</b>

## IV. EXPENDITURES.

Net amount of cash paid for losses and claims.....	\$9,500 00
Amount of notes and cash for premiums received during the year in the payment of dividends to policy holders.....	598 01
Interest or dividends on capital paid to stockholders.....	1,622 97
Cash paid on lapsed and surrendered policies.....	188 64
Paid for commissions on premiums (of which \$10,750 was in full for the commutation of all future commissions on the policies).....	18,704 58
Paid for medical examiners' fees.....	1,884 70
Paid for salaries, fees, and all other charges of officers, trustees, directors, agents, clerks, and other employees.....	7,115 49
Amount paid for license fees and State and local taxes.....	100 50
Amount of all other payments and expenditures, consisting of the following items: Printing, advertising, and agency expenses, \$2,255 70; for traveling expenses, \$1,154 79; for postage and revenue stamps, \$545 58; for office rent, \$916 67; for all other items of expense, \$650 16	5,522 85
<b>Aggregate amount of actual expenditures during the year.....</b>	<b>\$34,227 69</b>

## V. MISCELLANEOUS.

Number of policies issued during the year ending December 31st, 1869 .....	842	
Amount of insurance effected by the policies above mentioned.....		\$1,500,500 00
Whole number and amount of policies in force at the end of the year .....	1,018	1,988,800 00
Amount re-insured in other companies, hereafter to be carried by this Company .....		80,000 00

## GENERAL EXPLANATIONS.

The premiums of this Company are based on the combined experience (or actuaries') table of mortality, with the rate of interest, four (4) per centum per annum. The last valuation of policies was made by James C. Watson, actuary of the Company. The valuations were made by net premiums, and *seriatim* or separately for each policy. Lapsed policies may be revived within one year, on payment of over-due premiums, and a satisfactory medical examination. The Company does not issue fire, marine, accident, or casual policies of any kind.

This is the only Life Insurance Company organized under the laws of this State. Since the date of the Company's annual statement, a new charter has been adopted and filed under the provisions of the act in relation to Life Insurance Companies transacting business within this State, approved March 30, 1869, and one hundred thousand dollars in the securities required by law has been deposited with the State Treasurer.



---

---

**R E G I S T E R**  
**OF**  
**STOCK FIRE INSURANCE COMPANIES,**  
**AUTHORIZED**  
**To do Business in the State of Michigan during the Year**  
**1870.**

---

---





# FIRE INSURANCE COMPANIES.

*The following are the only Fire Insurance Companies, which up to this date  
(July 1st, 1870) have been authorized to transact Fire Insurance  
business in this State during the year 1870.*

DATE OF ADMISSION IN MICHIGAN.	NAME OF COMPANY.	LOCATION.
<b>CALIFORNIA.</b>		
June 15, 1869.	Firemens' Fund Insurance Company.....	San Francisco.
June 17, 1869.	Occidental Insurance Company .....	" "
June 20, 1868.	Pacific Insurance Company .....	" "
Jan. 1, 1870.	Union Insurance Company .....	" "
<b>CONNECTICUT.</b>		
May 24, 1859.	Aetna Insurance Company .....	Hartford.
May 31, 1859.	Charter Oak Fire and Marine Insurance Co.	"
July 7, 1859.	City Fire Insurance Company .....	"
May 30, 1859.	Connecticut Insurance Company .....	"
May 25, 1859.	Hartford Insurance Company .....	"
Feb. 20, 1862.	Home Insurance Company .....	New Haven.
May 25, 1859.	Merchants' Insurance Company .....	Hartford.
May 28, 1859.	North American Insurance Company .....	"
May 24, 1859.	Norwich Insurance Company .....	Norwich.
May 25, 1859.	Phoenix Insurance Company .....	Hartford.
March 4, 1863.	Putnam Insurance Company .....	"
<b>GREAT BRITAIN.</b>		
July 6, 1863.	Imperial Insurance Company .....	London.
Nov. 13, 1867.	North British and Mercantile Insurance Co.	London & Edinburgh.
Jan. 1, 1870.	Royal (U. S. branch) .....	Liverpool.
<b>ILLINOIS.</b>		
June 25, 1870.	American Insurance Company .....	Chicago.

## COMPANIES—CONTINUED.

DATE OF ADMISSION IN MICHIGAN.	NAME OF COMPANY.	LOCATION.
ILLINOIS—CONTINUED.		
Oct. 2, 1869.	Commercial Insurance Company.....	Chicago.
Oct. 26, 1869.	Lamar Insurance Company.....	"
Mar. 15, 1865.	Merchants' Insurance Company.....	"
Jan. 21, 1868.	Republic Insurance Company .....	"
Aug. 7, 1869.	State Insurance Company.....	"
* May 9, 1866.	Winnecheik Insurance Company.....	Freeport.
MASSACHUSETTS.		
Oct. 26, 1863.	Hide and Leather Insurance Co.....	Boston.
Feb. 13, 1869.	Independent Insurance Company .....	"
Sept. 30, 1868.	National Insurance Company.....	"
June 4, 1859.	Springfield Fire and Marine Insurance Co..	Springfield.
MICHIGAN.		
Jan. 20, 1866.	Detroit Fire and Marine Insurance Co.....	Detroit.
Feb. 2, 1864.	Michigan State Insurance Company.....	Adrian.
Oct. 29, 1867.	State Insurance Company.....	Lansing.
NEW YORK.		
March 8, 1867.	Ætna Insurance Company.....	New York City.
Sept. 23, 1867.	Agricultural Insurance Company.....	Watertown.
Nov. 30, 1868.	Albany City Insurance Company.....	Albany.
July 7, 1859.	American Exchange Insurance Company...	New York City.
Dec. 18, 1866.	Astor Insurance Company .....	" "
July 7, 1859.	Atlantic Insurance Company.....	Brooklyn.
June 1, 1869.	Beekman Insurance Company.....	New York City.
Sept. 14, 1867.	Buffalo City Insurance Company.....	Buffalo.
May 25, 1859.	Buffalo Fire and Marine Insurance Co.....	"
June 23, 1867.	Buffalo German Insurance Company.....	"
Nov. 21, 1865.	Capital City Insurance Company.....	Albany.
Mar. 23, 1865.	Citizens' Insurance Company.....	New York City.
July 6, 1865.	Commerce Insurance Company.....	Albany.
Feb. 20, 1865.	Commerce Insurance Company.....	New York City.
May 30, 1859.	Commonwealth Insurance Company .....	" "
June 20, 1859.	Continental Insurance Company.....	" "
June 16, 1859.	Corn Exchange Insurance Company.....	" "

\* Withdrawn from the State.

## COMPANIES—CONTINUED.

DATE OF ADMISSION IN MICHIGAN.	NAME OF COMPANY.	LOCATION.
NEW YORK—CONTINUED.		
Feb. 28, 1867.	Excelsior Insurance Company.....	New York City.
Feb. 1, 1868.	Firemens' Insurance Company.....	" "
June 14, 1859.	Fulton Insurance Company.....	" "
May 14, 1861.	Germania Insurance Company.....	" "
Feb. 21, 1867.	Glenn's Falls Insurance Company.....	Glenn's Falls.
Aug. 10, 1864.	Hanover Insurance Company.....	New York City.
June 9, 1859.	Home Insurance Company.....	" "
May 25, 1859.	Howard Insurance Company.....	" "
Feb. 20, 1865.	International Insurance Company.....	" "
May 25, 1859.	Irving Insurance Company.....	" "
May 25, 1859.	Lamar Insurance Company.....	" "
May 30, 1859.	Lorillard Insurance Company.....	" "
May 25, 1859.	Manhattan Insurance Company.....	" "
April 3, 1861.	Market Insurance Company.....	" "
May 31, 1859.	Mercantile Insurance Company.....	" "
Sept. 25, 1869.	Metropolitan Insurance Company.....	" "
June 4, 1859.	Niagara Insurance Company.....	" "
June 22, 1859.	North American Insurance Company.....	" "
April 27, 1867.	New York Central Insurance Company....	Union Springs.
June 4, 1859.	Phenix Insurance Company.....	Brooklyn.
Aug. 27, 1864.	Relief Insurance Company.....	New York City.
Aug. 6, 1864.	Republic Insurance Company.....	" "
Nov. 17, 1868.	Schenectady Insurance Company.....	Schenectady.
June 4, 1859.	Security Insurance Company.....	New York City.
April 13, 1868.	Standard Insurance Company.....	" "
Nov. 11, 1867.	Tradesman Insurance Company.....	" "
June 18, 1859.	Washington Insurance Company.....	" "
Feb. 29, 1868.	Watertown Insurance Company.....	Watertown.
July 8, 1862.	Western Insurance Company.....	Buffalo.
Aug. 21, 1868.	Yonkers and New York Insurance Co.....	New York City.
OHIO.		
May 19, 1865.	Cleveland Insurance Company.....	Cleveland.
Mar. 13, 1865.	Commercial Mutual Insurance Company...	"

## COMPANIES—CONTINUED.

DATE OF ADMISSION IN MICHIGAN.	NAME OF COMPANY.	LOCATION.
OHIO—CONTINUED.		
Nov. 26, 1860.	Home Insurance Company.....	Columbus.
Sept. 12, 1865.	State Insurance Company.....	Cleveland.
Aug. 8, 1865.	Sun Insurance Company.....	"
Aug. 1, 1866.	Teutonia Insurance Company.....	"
PENNSYLVANIA.		
June 15, 1870.	Franklin Fire Insurance Company.....	Philadelphia.
Feb. 9, 1870.	Girard Fire and Marine Insurance Company	"
Aug. 15, 1864.	Insurance Company of North America.....	"
RHODE ISLAND.		
July 7, 1859.	American Insurance Company.....	Providence.
July 7, 1859.	Atlantic Fire and Marine Insurance Co.....	"
April 8, 1861.	Hope Insurance Company.....	"
July 8, 1865.	Merchants' Insurance Company.....	"
Feb. 18, 1865.	Narragansett Fire and Marine Ins. Co.....	"
June 15, 1859.	Providence Washington Insurance Co.....	"
July 16, 1859.	Roger Williams Insurance Company.....	"

---

**FIRE INSURANCE COMPANIES**  
**OF**  
**OTHER STATES.**

---



## IMPAIRMENTS OF CAPITAL.

*The following Table exhibits the amount and per centage of Impairment of Capital of Companies on the 31st day of December, 1869, doing business in this State at that date, as shown by their Annual Statements to this Department.*

NAME OF COMPANY.	LOCATION.	Capital Stock.	Amount of Impairment.	Percentage of Impairment
Aurora.....	Covington, Ky...	\$129,790	\$9,476 62	.07.8
Commercial.....	Chicago.....	165,000	1,911 52	.01.15
Home .....	Columbus.....	474,066	566 68	.01.19
Home .....	New Haven.....	1,000,000	63,546 16	.06.95
Lamar.....	Chicago.....	165,800	8,015 25	.04.88
Metropolitan.....	New York .....	800,000	781 86	.02.6
Putnam.....	Hartford.....	500,000	22,888 54	.04.57
Roger Williams.....	Providence.....	200,000	8,143 28	.04.07
Schenectady.....	Schenectady .....	100,000	2,825 71	.02.83
State .....	Chicago.....	228,240	11,924 15	.05.22
State .....	Cleveland.....	200,000	21,814 81	.10.67
Teutonia.....	Cleveland.....	200,000	14,865 21	.07.15

The above named Companies, excepting the Aurora of Covington, are now doing business in this State. Supplementary statements were filed by the Home of New Haven, the State of Chicago, the State and Teutonia of Cleveland, reducing the impairment of capital to less than five per cent.



TABLE

Showing the Names of Attorneys of, Amount of Premium Receipts, and Losses paid, by the Fire Insurance Companies of other States, doing business in Michigan, during the year 1869.

NAME AND LOCATION.	STATE ATTORNEY. NAME AND RESIDENCE.	Admitted to Practice in Mich. 1869	PREMIUM RECEIPTS IN MICHIGAN DURING 1869.			LOSSES IN MICHIGAN DURING 1869.		
			Fire.	Marine.	Total.	PAID.		INCURRED.
						Fire.	Marine.	
Albany, Hartford.....	Jonas M. S. Neal, Detroit.....	1859	\$70,921 54	-----	\$70,921 54	\$49,873 08	-----	\$58,708 08
Albany, N. Y. City.....	Carl Schmemmann, Detroit.....	1867	585 08	-----	585 08	-----	-----	-----
Agricultural, Watertown, N. Y.....	Alexander Barber, Flushing.....	1867	3,060 80	-----	3,060 80	2,511 00	-----	2,511 00
Albany City, Albany.....	A. C. Blodgett, Ypsilanti.....	1868	12,719 12	\$6,900 76	19,619 88	6,240 76	1,782 98	28,645 43
American, Providence.....	A. G. Noyes, Detroit.....	1859	409 25	-----	409 25	-----	-----	-----
American Exchange, N. Y. City.....	A. G. Lindsey, Detroit.....	1859	1,898 74	-----	1,898 74	-----	-----	-----
Astor, N. Y. City.....	Ira Worcester, Detroit.....	1866	1,896 81	-----	1,896 81	-----	-----	-----
Atlantic, Brooklyn.....	John Palmer, Detroit.....	1859	2,969 56	-----	2,969 56	54 50	-----	54 50
Atlantic F. and M., Providence.....	A. E. Smith, Detroit.....	1859	1,218 45	-----	1,218 45	525 00	-----	525 00
Aurora, Covington, Ky.....	-----	1868	980 19	-----	980 19	10 00	-----	10 00
Beckman, N. Y. City.....	John G. Erwin, Detroit.....	1869	43 84	-----	43 84	-----	-----	-----
Buffalo City, Buffalo.....	James J. Clark, Detroit.....	1867	4,197 40	-----	4,197 40	665 40	1,591 88	2,956 78
Buffalo F. and M., Buffalo.....	Archibald G. Lindsey, Detroit.....	1869	4,759 89	-----	4,759 89	4,893 24	-----	8,867 24
Buffalo German, Buffalo.....	Carl Schmemmann, Detroit.....	1867	1,768 99	-----	1,768 99	-----	-----	-----

Capital City, Albany.....	John G. Erwin, Detroit.....	1865	864 80	.....	864 80	148 00	.....	.....	148 00
Charter Oak F. and M., Hartford....	Benjamin Vernor, Detroit.....	1869	6,687 15	.....	6,687 15	8,881 81	.....	8,881 81	8,881 81
Citizens, New York City.....	Henry C. Munson, Detroit.....	1865	10,945 31	.....	10,945 31	5,818 18	.....	5,818 18	5,847 90
City Fire, Hartford.....	Charles Peltier, Detroit.....	1859	15,197 85	.....	15,197 85	6,943 18	.....	6,943 18	6,943 18
Cleveland, Cleveland.....	J. S. Crosby, Grand Rapids.....	1865	17,463 28	13,891 04	80,854 82	8,785 79	15,499 19	24,224 98	24,224 98
Commerce, Albany.....	Charles B. Hebbard, Detroit.....	1865	11,692 19	.....	11,692 19	6,841 87	.....	6,841 87	9,841 89
Commerce, New York City.....	Rudolph Diepenbeck, Detroit....	1865	2,080 78	.....	2,080 78	810 62	.....	810 62	810 62
Commercial, Chicago.....	Geo. H. House, Lansing.....	1869	2,072 58	.....	2,072 58	35 48	.....	35 48	1,459 88
Commercial Mutual, Cleveland.....	Peter J. Ralph, Detroit.....	1865	1,843 85	12,574 48	14,418 28	.....	5,889 88	.....	.....
Commonwealth, New York City.....	Charles Peltier, Detroit.....	1859	5,180 82	.....	5,180 82	2,965 21	.....	2,965 21	2,965 21
Connecticut, Hartford.....	Alexander G. Noyes, Detroit.....	1859	5,070 89	.....	5,070 89	180 14	.....	180 14	180 14
Continental, New York City.....	Ira Worcester, Detroit.....	1859	25,570 52	.....	25,570 52	9,643 85	.....	9,643 85	8,693 85
Corn Exchange, New York City.....	Benjamin Vernor, Detroit.....	1859	4,641 70	.....	4,641 70	1,209 17	.....	1,209 17	24 17
Excelsior, New York City.....	Ira Worcester, Detroit.....	1867	1,392 06	.....	1,392 06	.....	.....	.....	.....
Firemen's, New York City.....	Stevens & Hunter, Detroit.....	1868	1,849 55	.....	1,849 55	115 00	.....	115 00	.....
Firemen's Fund, San Francisco.....	John W. Strong, Detroit.....	1869	799 75	.....	799 75	.....	.....	.....	.....
Fulton, New York City.....	Ira Worcester, Detroit.....	1859	4,027 46	.....	4,027 46	1,088 90	.....	1,088 90	1,088 90
Germania, New York City.....	Wm. B. Wesson, Detroit.....	1861	20,898 59	1,509 45	22,468 04	8,649 94	429 68	9,079 62	9,896 62
Glenn's Falls, Glenn's Falls, N. Y..	Benjamin Vernor, Detroit.....	1867	13,553 97	.....	13,553 97	8,782 77	.....	8,782 77	5,741 27
Hanover, New York City.....	Wm. B. Wesson, Detroit.....	1864	20,898 59	1,509 45	22,468 04	8,649 94	429 68	9,079 62	9,896 62
Hartford, Hartford.....	John Palmer, Detroit.....	1859	66,076 68	.....	66,076 68	15,766 15	.....	15,766 15	16,283 64
Hide and Leather, Boston.....	James A. Armstrong, Detroit....	1868	1,278 86	.....	1,278 86	.....	.....	.....	.....

TABLE—CONTINUED.

NAME AND LOCATION.	STATE ATTORNEY. NAME AND RESIDENCE.	Admitted to Practice	Premium Receipts in Michi- gan during 1899.			LOSSES IN MICHIGAN DURING 1899.		
			Fire.	Marine.	Total.	PAID.		
						Fire.	Marine.	Total.
								INCURRED.
Home, Columbus, Ohio.....	Jno. G. Erwin, Detroit.....	1890	\$1,523 81	.....	\$1,523 81	\$205 55	.....	\$308 55
Home, New Haven.....	Jones & Porter, Lansing.....	1869	58,968 24	.....	58,968 24	56,960 12	.....	56,960 12
Home, New York City.....	H. T. Stringham, Detroit.....	1859	188,743 24	\$16,068 88	154,831 63	53,068 73	\$19,875 14	71,458 86
Hope, Providence.....	John L. Whiting, Detroit.....	1861	3,913 56	.....	3,913 56	500 00	.....	500 00
Howard, New York City.....	William B. Wesson, Detroit.....	1859	13,183 12	.....	13,183 12	2,524 10	.....	2,524 10
Imperial, London, England.....	Ira Worcester, Detroit.....	1868	10,149 24	.....	10,149 24	1,450 00	.....	1,450 00
Independent, Boston.....	John W. Strong, Detroit.....	1869	4,064 67	.....	4,064 67	.....	.....	.....
Ins. Co. of North America, Phila..	C. B. Hebbard, Detroit.....	1864	68,376 14	.....	68,376 14	42,259 98	.....	42,259 98
International, New York City.....	Benjamin Vernor, Detroit.....	1865	25,069 95	.....	25,069 95	3,525 26	.....	3,525 26
Irving, New York City.....	Archibald G. Lindsey, Detroit.....	1859	21,820 05	.....	21,820 05	16,265 11	.....	16,265 11
Lamar, Chicago.....	Wm. A. Stow, Niles.....	1869	1,084 86	.....	1,084 86	.....	.....	500 00
Lamar, New York City.....	J. L. Whiting, Detroit.....	1859	3,467 23	.....	3,467 23	294 06	.....	294 06
Lordillard, New York City.....	Benjamin Vernor, Detroit.....	1859	45,446 46	.....	45,446 46	20,067 73	.....	20,067 73
Manhattan, New York City.....	A. G. Lindsey, Detroit.....	1859	80,778 66	.....	80,778 66	84,040 50	.....	84,040 50
Market, New York City.....	A. G. Lindsey, Detroit.....	1861	6,523 90	.....	6,523 90	4,092 71	.....	4,092 71

Mercantile, N. Y. City.....	1859	5,300 79	.....	5,300 79	.....	.....	.....
Benj. Vernor, Detroit.....	1859	5,300 79	.....	5,300 79	.....	.....	.....
Merchants', Chicago.....	1865	17,551 62	.....	17,551 62	.....	14,408 50	14,408 50
Geo. A. Baldwin, Jackson.....	1865	17,551 62	.....	17,551 62	.....	14,408 50	14,408 50
Merchants', Hartford.....	1859	28,602 45	.....	28,602 45	.....	18,572 89	11,029 90
William B. Wesson, Detroit.....	1859	28,602 45	.....	28,602 45	.....	18,572 89	11,029 90
Merchants', Providence.....	1865	2,434 22	.....	2,434 22	.....	100 00	100 00
John L. Whiting, Detroit.....	1865	2,434 22	.....	2,434 22	.....	100 00	100 00
Metropolitan, N. Y. City.....	1860	1,788 88	.....	1,788 88	.....	.....	.....
Henry C. Munson, Detroit.....	1860	1,788 88	.....	1,788 88	.....	.....	.....
Narragansett Fire and Marine, Providence.....	1865	2,792 80	.....	2,792 80	.....	1,459 75	1,459 75
Alexander G. Noyes, Detroit.....	1865	2,792 80	.....	2,792 80	.....	1,459 75	1,459 75
National, Boston.....	1868	2,440 21	.....	2,440 21	.....	2,478 74	2,478 74
Alexander McLane, Detroit.....	1868	2,440 21	.....	2,440 21	.....	2,478 74	2,478 74
Niagara, N. Y. City.....	1859	20,898 59	1,569 45	20,898 59	1,569 45	429 68	9,386 63
Wm. B. Wesson, Detroit.....	1859	20,898 59	1,569 45	20,898 59	1,569 45	429 68	9,386 63
North American, Hartford.....	1859	18,099 76	.....	18,099 76	.....	8,436 29	5,594 63
Geo. W. Wolverton, Detroit.....	1859	18,099 76	.....	18,099 76	.....	8,436 29	5,594 63
North American, N. Y. City.....	1859	18,714 28	.....	18,714 28	.....	18,052 90	18,052 90
A. G. Lindsay, Detroit.....	1859	18,714 28	.....	18,714 28	.....	18,052 90	18,052 90
North British and Mercantile, London and Edinburgh.....	1867	8,534 96	.....	8,534 96	.....	5,757 76	5,757 76
James J. Clark, Detroit.....	1867	8,534 96	.....	8,534 96	.....	5,757 76	5,757 76
Norwich, Norwich.....	1859	1,592 90	.....	1,592 90	.....	.....	.....
John Palmer, Detroit.....	1859	1,592 90	.....	1,592 90	.....	.....	.....
New York Central, Union Springs, N. Y.....	1867	15,155 71	.....	15,155 71	.....	9,922 89	10,022 89
James Van Buren, Detroit.....	1867	15,155 71	.....	15,155 71	.....	9,922 89	10,022 89
Occidental, San Francisco.....	1867	881 40	.....	881 40	.....	.....	.....
Charles D. Stevens, Detroit.....	1867	881 40	.....	881 40	.....	.....	.....
Pacific, San Francisco.....	1868	2,834 56	.....	2,834 56	.....	56 46	56 46
Chas. Peltier, Detroit.....	1868	2,834 56	.....	2,834 56	.....	56 46	56 46
Phoenix, Brooklyn.....	1859	24,478 18	.....	24,478 18	.....	9,874 50	13,574 50
Ira Worcester, Detroit.....	1859	24,478 18	.....	24,478 18	.....	9,874 50	13,574 50
Phoenix, Hartford.....	1859	56,167 00	.....	56,167 00	.....	20,439 26	2,000 00
Charles D. Stevens, Detroit.....	1859	56,167 00	.....	56,167 00	.....	20,439 26	2,000 00
Providence Washington, Providence.....	1859	2,815 48	.....	2,815 48	.....	545 00	545 00
Alexander G. Noyes, Detroit.....	1859	2,815 48	.....	2,815 48	.....	545 00	545 00
Putnam, Hartford.....	1865	45,197 67	.....	45,197 67	.....	28,453 71	83,303 71
Henry C. Munson, Detroit.....	1865	45,197 67	.....	45,197 67	.....	28,453 71	83,303 71
Belief, N. Y. City.....	1864	2,816 08	.....	2,816 08	.....	1,550 00	50 00
Wm. B. Howe, Detroit.....	1864	2,816 08	.....	2,816 08	.....	1,550 00	50 00

TABLE—CONTINUED.

NAME AND LOCATION.	STATE ATTORNEY. NAME AND RESIDENCE.	Admitted to the practice of the law	PREMIUM RECEIPTS IN MICHIGAN DURING 1899.			LOSSES IN MICHIGAN DURING 1899.		
			Fire.	Marine.	Total.	PAID.		
						Fire.	Marine.	Total.
Republic, Chicago.....	W. P. Beach, Detroit.....	1868	\$35,481 81	\$19,438 15	\$54,919 96	\$33,905 47	.....	\$33,905 47
Republic, N. Y. City.....	Wm. B. Wesson, Detroit.....	1864	20,888 59	1,569 45	22,458 04	8,649 94	\$429 68	9,079 62
Roger Williams, Providence.....	Alexander G. Noyes, Detroit.....	1859	895 46	.....	895 46	490 00	.....	490 00
Schenectady, Schenectady.....	Edwin S. Coyle, Grand Rapids.....	1868	2,094 45	.....	2,094 45	1,001 86	.....	1,001 86
Security, N. Y. City.....	Harvey Bush, Jackson.....	1859	65,929 97	5,057 40	70,987 37	48,188 08	45 00	48,233 08
Springfield Fire and Marine, Springfield, Mass.....	Benj. Vernor, Detroit.....	1859	20,813 68	.....	20,812 68	4,895 62	.....	4,895 62
Standard, N. Y. City.....	A. G. Lindsay, Detroit.....	1863	2,449 08	.....	2,449 08	11 50	.....	11 50
State, Chicago.....	Wm. A. Wood, Kalamazoo.....	1869	2,599 89	.....	2,599 89	3,000 00	.....	3,000 00
State, Cleveland.....	C. B. Hebbard, Detroit.....	1865	10,739 71	.....	10,739 71	6,886 52	.....	6,886 52
Sun, Cleveland.....	C. B. Hebbard, Detroit.....	1865	2,198 75	.....	2,198 75	1,009 75	.....	1,009 75
Tentonia, Cleveland.....	Emil Anneke, East Saginaw.....	1866	6,462 48	.....	6,462 48	4,232 71	.....	4,232 71
Tradesman, N. Y. City.....	J. T. R. Brown & Bro., Detroit.....	1867	1,120 61	.....	1,120 61	.....	.....	.....
Washington, N. Y. City.....	Ira Worcester, Detroit.....	1859	4,449 47	.....	4,449 47	15 00	.....	15 00
Watertown, Watertown, N. Y.....	Alexander Barber, Flushing.....	1868	606 81	.....	606 81	.....	.....	.....

Western, Buffalo.....	James A. Armstrong, Detroit..	1863	5,838 61	8,980 48	8,919 09	4,951 50	1,045 19	6,016 69	6,016 69
Winnekeht, Freeport, Ill.....	R. Henry Morrison, Sturgis....	1866	7,367 53	.....	7,367 53	1,015 64	.....	1,015 64	.....
Yonkers and New York, N. Y. City	Benjamin Vernor, Detroit.....	1868	8,945 95	.....	8,945 95	1,180 00	.....	1,180 00	1,180 00
Total.....			\$1,835,933 71		.....	.....	.....	.....	\$660,537 49

TABLE No. 1—FIRE ASSETS.

Summary Analysis of the Gross Assets of the Fire, and Fire and Marine Insurance Companies of other States and Foreign Countries, transacting business in this State, December 31st, 1869.

Year.	NAME AND LOCATION.	Real Estate.	Bonds and Mortgages.	Cash in Office and Bank.	Cash in hands of Agents in course of transacting.	Premiums unpaid.	U. S. and other Stocks owned.	Loans on Stocks as collaterals.	Miscellaneous Assets.	Total Gross Assets.
1819	Ætna, Hartford.....	\$233,319 14	\$23,000 00	\$233,364 96	\$424,317 13	.....	\$4,590,603 75	.....	.....	\$5,549,504 97
1824	Ætna, N. Y. City.....	.....	103,366 08	20,990 98	.....	\$7,377 80	223,230 00	\$113,900 00	\$3,280 24	472,175 10
1833	Agricultural, Watertown, N. Y.	15,000 00	366,603 48	48,551 11	40,923 99	.....	29,450 25	84,118 78	7,151 92	491,684 58
1860	Albany City, Albany.....	.....	17,640 88	17,310 18	46,694 98	20,395 80	295,900 00	.....	46,874 28	444,816 12
1881	American, Providence.....	.....	.....	33,048 54	7,572 81	24,845 42	293,372 50	.....	8,890 61	372,319 33
1859	American Exchange, N. Y. City	.....	61,309 33	6,492 72	3,317 09	4,042 23	.....	189,700 00	23,234 45	239,095 31
1851	Astor, N. Y. City.....	.....	28,620 00	20,635 45	.....	14,372 43	261,324 37	146,775 00	2,591 38	474,223 55
1851	Atlantic, Brooklyn.....	.....	53,671 04	34,430 73	12,000 00	6,671 69	406,757 00	12,000 00	18,933 81	539,433 77
1852	Atlantic F. and M., Providence	75,061 91	.....	6,475 49	6,063 57	3,545 09	218,505 00	.....	1,067 50	311,063 56
1868	Aurora, Covington.....	.....	107,750 00	3,779 14	1,547 23	533 20	1,150 00	21,197 50	1,961 25	137,933 31
1853	Beekman, N. Y. City.....	6,126 64	198,134 50	1,531 90	.....	4,047 33	35,120 00	21,200 00	3,392 33	374,623 30
1867	Buffalo City, Buffalo.....	.....	.....	36,037 20	3,863 33	6,909 73	292,500 00	61,670 00	10,731 69	393,733 50
1843	Buffalo F. and M., Buffalo.....	19,000 00	35,909 73	106,510 60	10,124 33	690 00	247,033 00	.....	27,492 33	490,219 29
1867	Buffalo German, Buffalo.....	.....	19,300 00	33,419 60	544 31	.....	100,300 00	.....	1,035 33	153,090 26

1865	Capital City, Albany.....	.....	4,879 09	1,079 84	190 41	290,715 00	10,670 00	249 84	307,776 68
1866	* Charter Oak F. and M., Hartford.....	480 00	29,275 20	12,098 43	.....	85,000 00	81,430 00	2,467 00	290,516 65
1866	Citizens, N. Y. City.....	15,000 00	84,888 30	200 00	5,920 50	229,000 00	307,700 00	7,514 00	684,094 74
1868	City Fire, Hartford.....	.....	27,174 19	87,868 43	.....	379,816 00	12,000 00	5,792 45	578,487 25
1880	Cleveland, Cleveland.....	89,480 00	88,288 53	19,283 44	11,779 75	135,500 00	148,810 00	88,750 86	515,481 67
1889	Commerce, Albany.....	45,000 00	81,645 98	.....	21,078 25	489,250 00	26,200 00	1,772 87	697,594 72
1889	Commerce, N. Y. City.....	.....	10,762 07	.....	1,508 59	197,612 50	.....	2,004 66	260,157 82
1865	Commercial, Chicago.....	168,168 50	15,506 71	5,106 85	19,541 94	.....	8,000 00	11,791 87	240,177 91
1851	Commercial Mutual, Cleveland.....	.....	52,147 48	477 81	82,678 29	206,750 00	8,100 00	12,110 05	384,909 65
1853	Commonwealth, N. Y. City.....	.....	14,944 52	.....	18,841 98	114,000 00	14,100 00	14,278 98	405,768 01
1860	Connecticut, Hartford.....	.....	45,740 84	12,650 00	.....	318,145 00	.....	.....	371,885 84
1852	Continental, N. Y. City.....	287,500 00	123,581 82	.....	88,491 87	818,980 00	885,050 00	8,579 09	2,889,122 50
1858	Corn Exchange, N. Y. City.....	.....	12,887 99	.....	26,808 05	208,221 00	1,000 00	75,245 19	415,365 73
1858	Excelsior, N. Y. City.....	68,000 00	13,858 11	7,656 89	6,607 64	74,446 00	98,700 00	6,111 28	384,186 85
1825	Firemen's, N. Y. City.....	.....	10,206 64	8,598 87	124 06	286,180 00	12,500 00	28,491 84	304,620 91
1863	Firemen's Fund, San Francisco.....	150,000 00	50,618 25	84,162 91	15,648 62	.....	72,978 25	6,216 22	767,115 68
1853	Fulton, N. Y. City.....	.....	20,441 82	4,246 98	5,079 13	186,667 50	38,750 00	23,590 61	350,189 78
1859	Germania, N. Y. City.....	42,500 00	15,542 52	55,071 88	15,294 41	578,350 00	.....	14,910 45	1,055,957 11
1864	Glenn's Falls, Gl. Falls, N. Y.....	9,000 00	88,895 59	.....	18,507 79	384,421 56	9,000 00	8,688 71	572,276 80
1810	Hartford, Hartford.....	180,000 00	161,685 98	143,619 01	180,008 41	1,553,840 84	2,999 79	900 00	2,724,214 18
1862	Hanover, N. Y. City.....	.....	18,758 82	47,561 46	12,159 89	469,405 00	85,320 00	18,899 72	726,899 94
1867	Hide and Leather, Boston.....	.....	7,459 96	.....	66,424 46	143,002 50	99,700 00	28,400 16	460,961 93



TABLE No. 1—FIRE ASSETS—CONTINUED.

Year	NAME AND LOCATION.	Real Estate.	Bonds and Mort- gages.	Cash in Office and Bank.	Cash in hands of Agents in course of transac- tions.	Premiums un- paid.	U. S. and other Stocks owned.	Loans on Stocks as collaterals.	Miscellaneous Assets.	Total Gross As- sets.
1868	Home, Columbus, Ohio.....	\$1,727 80	\$300,074 82	\$75,025 48	\$28,580 70	\$9,180 05	\$114,093 16	-----	\$5,605 82	\$315,978 48
1867	Home, New Haven.....	780,500 00	55,586 28	74,961 88	180,940 00	120,807 78	878,185 61	\$24,867 61	209,886 94	1,798,565 49
1868	Home, N. Y. City.....	1,500 00	1,477,709 75	288,156 18	40,769 81	8,653 68	2,158,816 75	498,675 00	90,997 84	4,510,868 46
1868	Hope, Providence.....	-----	-----	11,505 54	9,875 85	-----	184,755 00	-----	1,900 00	207,386 39
1868	Howard, N. Y. City.....	90,000 00	60,596 75	29,882 14	2,147 68	2,425 98	537,650 00	44,400 00	8,488 08	775,470 61
-----	Imperial, London, England....	308,880 71	222,156 00	175,190 10	885,683 96	109,419 08	290,955 04	8,575,461 40	15,760 68	5,070,516 00
1867	Independent, Boston.....	-----	88,919 17	25,402 87	5,875 20	105,797 94	811,467 50	148,000 00	2,500 00	680,962 68
1794	Insurance Company of North America, Philadelphia.....	80,000 00	778,992 06	235,237 86	100,579 28	482,844 74	1,175,554 50	82,558 00	13,814 50	2,788,580 06
1864	International, N. Y. City.....	-----	8,000 00	88,714 96	40,575 08	19,059 05	1,090,771 25	150,400 00	15,877 86	1,858,896 17
1868	Irring, N. Y. City.....	-----	54,062 81	19,815 84	5,946 92	979 89	252,768 75	80,812 50	1,129 48	866,815 19
1866	Lamar, Chicago.....	-----	66,519 59	40,609 09	5,371 16	12,776 85	86,600 00	-----	16,525 94	180,802 78
1868	Lamar, N. Y. City.....	-----	128,572 09	95,887 40	8,450 12	2,766 67	397,800 00	18,000 00	1,854 65	574,781 48
1869	Lorillard, N. Y. City.....	64,047 83	408,847 14	22,868 08	41,000 00	8,728 86	874,100 00	179,000 00	80,878 90	1,680,590 46
1861	Manhattan, N. Y. City.....	-----	239,774 79	76,855 64	64,987 71	105,599 77	646,618 00	165,990 00	28,846 01	1,868,191 92
1868	Market, N. Y. City.....	-----	287,500 16	80,523 24	11,888 25	19,108 91	298,620 00	99,620 00	2,598 62	689,811 40

1859	Mercantile, N. Y. City.....	79,447 00	9,567 00	800 29	689 51	194,110 00	-----	1,709 50	290,867 98
1861	Merchants, Chicago.....	250,000 00	801,710 12	19,643 70	29,851 73	110,588 00	84,568 45	49,880 86	841,648 08
1867	Merchants, Hartford.....	254,061 80	24,985 21	22,950 03	-----	237,260 00	-----	860 98	559,568 01
1861	Merchants, Providence.....	-----	37,179 84	-----	25,843 29	351,554 50	-----	-----	414,076 06
1869	Metropolitan, N. Y. City.....	3,000 00	15,084 54	5,000 00	14,048 69	56,500 00	43,618 87	55,578 40	380,949 64
1869	* Narragansett F. and M., Prov- idence.....	-----	12,881 88	59,977 96	51,590 91	508,981 50	-----	9,499 43	807,111 18
1865	National, Boston.....	80,470 34	67,734 85	40,688 98	91,754 50	546,379 50	8,000 00	95,845 12	888,712 99
1860	Niagara, N. Y. City.....	33,943 81	18,458 94	-----	87,451 69	790,268 34	232,100 00	59,379 75	1,384,750 58
1867	North American, Hartford.....	-----	3,080 00	29,419 91	-----	429,793 00	4,295 00	2,127 23	497,446 67
1868	North American, N. Y. City.....	88,000 00	223,695 86	84,408 14	88,186 21	421,085 00	12,700 00	20,440 58	802,573 23
-----	North British and Mercantile, London and Edinburgh.....	869,495 46	9,965,090 09	1,039,093 09	331,308 84	2,183,089 33	860,519 93	183,569 12	15,448,964 00
1868	Norwich, Norwich.....	-----	2,768 56	13,113 69	-----	380,613 50	-----	14,702 61	361,193 65
1868	New York Central, Un. Springs, N. Y.....	1,600 00	55,490 06	23,868 04	-----	81,860 00	10,000 00	2,412 00	209,087 75
1866	Occidental, San Francisco.....	-----	299,295 65	50,023 41	1,885 21	95,680 00	19,770 00	5,820 80	435,991 47
1868	Pacific, San Francisco.....	146,000 00	573,783 51	189,240 67	55,951 98	210,400 00	491,735 00	20,295 99	1,690,354 80
1868	Phenix, Brooklyn.....	150,000 00	380,648 56	69,800 40	199,847 55	607,686 50	814,400 00	106,162 05	1,815,974 86
1864	* Phenix, Hartford.....	-----	45,094 56	129,579 38	-----	1,890,865 00	88,500 00	2,391 98	1,683,898 98
1799	Providence Washington, Prov- idence.....	200,000 00	10,817 70	10,088 36	-----	189,155 00	16,000 00	10,019 04	485,074 10
1864	Putnam, Hartford.....	155,000 00	183,403 08	54,609 56	-----	161,597 50	186,207 89	18,474 02	754,898 28
1865	Relief, N. Y. City.....	64,800 00	116,756 00	5,256 65	7,111 29	60,177 00	50,750 00	6,744 00	311,094 85

TABLE No. 1—FIRE ASSETS—CONTINUED.

Year.	NAME AND LOCATION.	Real Estate.	Bonds and Mortgages.	Cash in Office and Bank.	Cash in hands of Agents in course of transmission.	Premiums unpaid.	U. S. and other Stocks owned.	Loans on Stocks as collaterals.	Miscellaneous Assets.	Total Gross Assets.
1865	Republic, Chicago.....	\$100,095 00	.....	\$67,608 74	\$55,457 82	\$24,570 41	\$1,096,187 00	.....	\$25,348 01	\$1,809,266 48
1868	Republic, N. Y. City.....	71,000 00	\$108,047 62	22,978 41	17,865 15	12,159 41	404,702 00	\$54,400 00	11,728 92	697,871 51
1848	Roger Williams, Providence.....	.....	.....	109,951 55	15,732 64	6,057 58	148,190 00	20,000 00	5,877 85	300,309 12
1867	Schenectady, Schenectady.....	.....	.....	9,626 92	5,201 11	1,650 92	118,810 00	.....	5,978 00	140,766 95
1856	Security, N. Y. City.....	.....	885,968 85	185,550 24	87,981 90	110,064 48	816,110 87	200,000 00	222,998 52	2,017,849 81
1849	Springfield F. and M., Springfield, Mass.....	60,000 00	81,389 03	21,094 21	.....	45,000 00	660,089 00	65,821 51	6,285 65	889,609 40
1859	Standard, N. Y. City.....	.....	55,521 99	5,577 44	1,740 06	6,501 01	267,550 00	54,750 00	1,538 05	388,198 55
1863	* State, Chicago.....	.....	.....	45,439 58	5,298 80	7,392 06	164,116 66	16,938 89	8,748 94	247,979 48
1863	State, Cleveland.....	7,000 00	87,258 61	10,864 41	.....	28,087 68	86,805 00	57,878 55	8,005 54	230,839 74
1865	Sun, Cleveland.....	.....	39,181 67	9,893 89	.....	9,770 00	202,290 00	15,478 00	4,186 99	280,800 55
1865	Tentonia, Cleveland.....	.....	153,507 92	5,865 05	1,266 48	6,225 65	88,925 00	.....	17,116 66	252,806 76
1859	Tradersmen's, N. Y. City.....	.....	149,715 50	12,806 78	5,182 00	10,075 71	255,557 50	.....	888 48	488,725 97
1860	Washington, N. Y. City.....	.....	90,268 42	84,090 48	.....	17,022 11	474,825 00	78,550 00	48,876 18	738,052 19
1867	Watertown, Watertown, New York.....	.....	100,480 06	9,571 10	1,990 79	.....	28,425 00	7,000 00	1,064 52	146,581 47

1892 * Western, Buffalo.....	29,722 90	64,537 42	35,840 89	11,357 96	393,500 00	25,444 00	28,435 60	539,453 77
1891 * Winneheik, Freeport, Ill.....	15,000 00	3,204 87	18,063 73	54,367 59	39,450 25	.....	6,595 15	217,080 09
1893 Yonkers and New York, N. Y. City.....	7,000 00	22,854 06	38,593 78	.....	498,470 00	177,900 00	15,917 50	882,141 26
Aggregate.....	.....							\$87,515,450 58

\* NOTE.—In the foregoing table of Fire Assets, the items enumerated below and contained in the Annual Statements of the Companies specified, were omitted, as such securities are not considered reliable Assets.

NAME OF COMPANY.	AMOUNT.	CHARACTER OF SECURITIES.
Charter Oak Fire and Marine.....	\$ 100 00	Loan on personal security.
Lamar, Chicago.....	8,351 00	Agents' and office supplies.
Narragansett Fire and Marine.....	25,000 00	Loan on personal security.
Phoenix.....	42,250 00	Loan on personal security.
State, Chicago.....	1,000 00	Agents' supplies.
Western.....	17,394 00	Loan on personal security.
Winneheik.....	238,997 00	Premium Notes past due, \$235,313, and agents' supplies, \$3,684.

TABLE NO. 2—FIRE LIABILITIES.

*Summary Analysis of the Liabilities of the Fire, and Fire and Marine Insurance Companies of other States and Foreign Countries, transacting business in this State, December 31st, 1869.*

NAME AND LOCATION.	UNPAID LOSSES.				Reliance as at fifty per cent.	All other Claims.	Total Liabilities except Capital.	Capital stock paid up.	Net Surplus over Capital.	Deficiency in Capital.
	Adjusted and Unadjusted.	Resisted and Disputed.	Deduct Re-ins. in other Co's.	Net Amount.						
Ætna, Hartford.....	\$173,313 43	\$33,455 46	.....	\$33,768 89	\$1,497,129 73	\$900 00	\$1,733,198 67	\$3,000,000 00	\$794,806 80	.....
Ætna, New York City.....	13,769 87	.....	.....	13,769 87	75,884 54	.....	89,653 91	300,000 00	82,591 19	.....
Agricultural, Watertown, N. Y.....	4,000 00	.....	.....	4,000 00	180,786 59	69 75	184,806 39	100,000 00	207,028 34	.....
Albany City, Albany.....	102,359 51	8,500 00	.....	105,895 51	114,709 94	.....	223,598 45	200,000 00	22,217 67	.....
American, Providence.....	7,018 00	.....	633 00	6,385 00	45,868 87	3,702 05	55,955 92	200,000 00	116,268 46	.....
American Exchange, N. Y. City.....	15 00	800 00	.....	815 00	27,461 70	2,048 88	80,935 58	200,000 00	56,770 33	.....
Astor, N. Y. City.....	21,346 89	.....	.....	21,346 89	86,514 63	.....	104,761 01	250,000 00	117,467 57	.....
Atlantic, Brooklyn.....	26,494 87	15,250 00	.....	41,734 87	143,615 93	.....	185,350 19	800,000 00	154,133 77	.....
Atlantic Fire and Marine, Providence.....	8,610 00	3,000 00	.....	11,610 00	45,980 40	288 19	57,578 59	200,000 00	53,184 97	.....
Aurora, Covington, Ky.....	2,120 85	.....	.....	2,120 85	11,351 59	4,143 06	17,694 88	129,790 00	.....	\$9,476 63
Beekman, N. Y. City.....	6,400 00	8,650 00	.....	15,250 00	88,068 79	308 75	48,597 54	200,000 00	74,623 80	.....
Buffalo City, Buffalo.....	24,945 69	7,900 00	.....	33,765 69	76,108 88	463 11	109,843 56	200,000 00	17,439 94	.....

Buffalo Fire and Ma., Buffalo	13,480 00	700 00	14,180 00	73,106 08	19,326 86	99,539 94	304,323 50	86,456 85	-----
Buffalo German, Buffalo	50 00	-----	50 00	25,794 67	181 84	25,976 51	100,000 00	29,118 75	-----
Capital City, Albany	3,594 63	-----	3,594 63	22,613 93	568 62	26,737 22	200,000 00	51,089 46	-----
Charter Oak Fire and Marine, Hartford	16,785 88	8,750 00	20,485 88	66,027 21	-----	88,513 04	150,000 00	23,008 81	-----
Citizens, N. Y. City	4,450 00	5,000 00	9,450 00	194,115 81	1,775 11	187,840 43	300,000 00	256,754 32	-----
City Fire, Hartford	Not given.	Not given.	42,841 10	190,691 25	-----	233,083 35	250,000 00	90,404 90	-----
Cleveland, Cleveland	8,621 24	5,603 00	11,739 24	58,719 34	737 95	96,176 58	415,050 00	4,203 14	-----
Commerce, Albany	22,577 00	14,400 00	37,977 00	131,208 27	8,008 76	171,959 08	400,000 00	122,605 69	-----
Commerce, N. Y. City	4,950 00	8,000 00	7,900 00	23,592 08	750 00	31,243 08	200,000 00	23,915 79	-----
Commercial, Chicago	12,708 49	17,000 00	29,708 49	45,206 96	2,173 98	77,039 43	165,000 00	-----	1,911 52
Commercial Mut., Cleveland	13,000 00	-----	13,000 00	41,915 01	11,019 57	65,984 58	212,700 00	56,375 07	-----
Commonwealth, N. Y. City	21,500 00	8,500 00	25,000 00	77,251 84	-----	102,251 84	250,000 00	158,516 17	-----
Connecticut, Hartford	3,453 00	1,234 32	4,717 32	76,731 37	3,525 00	84,973 69	200,000 00	56,562 15	-----
Continental, N. Y. City	45,700 00	-----	45,700 00	371,391 27	95,497 54	519,588 81	500,000 00	1,396,538 69	-----
Corn Exchange, N. Y. City	10,223 28	1,450 00	11,673 28	87,147 50	1,232 50	100,032 28	300,000 00	15,913 45	-----
Excelsior, N. Y. City	4,443 00	-----	4,443 00	84,131 44	1,508 04	90,073 48	200,000 00	44,063 87	-----
Firemen's, N. Y. City	12,000 00	-----	12,000 00	88,031 29	-----	100,031 29	204,000 00	90,569 52	-----
Firemen's Fund, San Francisco	13,271 96	-----	13,271 96	115,336 54	5,626 40	139,224 90	500,000 00	137,390 73	-----
Fulton, N. Y. City	5,633 24	8,000 00	13,633 24	98,646 53	50 49	112,350 28	200,000 00	37,389 45	-----
Germania, N. Y. City	56,709 99	11,025 02	60,968 70	234,666 45	2,966 10	848,536 25	500,000 00	207,370 86	-----
Glenn's Falls, Gl. Falls, N. Y.	12,691 00	6,650 00	19,481 00	270,163 92	878 32	280,028 24	200,000 00	83,248 56	-----

TABLE No. 2—FIRE LIABILITIES—CONTINUED.

NAME AND LOCATION.	UNPAID LOSSES.				Reinsurance at fifty per cent.	All other Claims.	Total Liabilities except Capital.	Capital stock paid up.	Net surplus over Capital.	Deficiency in Capital.
	Adjusted and Unadjusted	Resisted and Disputed.	Deduct Re-ins. in other Co's	Net Amount.						
Hartford, Hartford.....	\$122,241 85	\$12,000 00	.....	\$184,241 85	\$666,168 57	.....	\$1,100,405 42	\$100,000 00	\$628,808 71	.....
Hanover, N. Y. City.....	42,616 80	10,425 02	.....	53,041 82	227,578 40	.....	280,620 22	400,000 00	45,779 72	.....
Hild and Leather, Boston....	26,500 00	2,500 00	.....	29,000 00	86,166 09	\$7,840 92	128,007 01	800,000 00	87,974 91	.....
Home, Columbus, Ohio.....	3,010 06	569 00	.....	3,579 06	87,900 00	.....	41,779 06	474,066 00	.....	\$566 68
Home, New Haven.....	183,553 01	82,575 78	.....	166,188 79	620,525 11	60,454 75	847,111 65	1,000,000 00	.....	48,546 16
Home, N. Y. City.....	89,155 15	80,712 63	.....	119,867 83	1,257,912 97	520 00	1,878,800 80	2,000,000 00	1,188,087 66	.....
Hope, Providence.....	9,254 53	3,450 00	.....	12,704 53	81,888 08	1,843 50	45,381 16	150,000 00	11,955 23	.....
Howard, N. Y. City.....	5,661 73	5,000 00	.....	10,661 73	76,159 70	518 00	87,006 61	500,000 00	188,464 00	.....
Imperial, London, England..	.....	.....	.....	254,525 92	871,304 84	80,177 16	1,155,907 92	8,888,000 00	26,608 08	.....
Independent, Boston.....	43,071 02	1,000 00	.....	44,071 02	162,234 73	8,231 13	214,586 98	800,000 00	116,880 75	.....
Insurance Company of North America, Philadelphia.....	103,800 00	20,000 00	.....	123,800 00	850,104 68	149,588 33	1,122,988 01	500,000 00	1,180,587 95	.....
International, N. Y. City....	57,892 33	110,995 00	.....	168,907 33	856,247 42	20,695 93	585,150 63	500,000 00	818,247 49	.....
Irrving, N. Y. City.....	11,105 61	.....	.....	11,105 61	59,269 64	1,522 56	71,587 81	200,000 00	94,417 38	.....
Lamar, Chicago.....	5,886 90	2,188 50	.....	8,095 40	14,492 53	.....	22,517 98	165,800 00	.....	8,015 25
Lamar, N. Y. City.....	7,650 00	8,500 00	.....	11,150 00	65,866 86	.....	77,006 86	800,000 00	197,795 07	.....

Lortlard, N. Y. City.....	24,440 00	5,000 00	.....	29,460 00	804,566 66	939 80	885,316 86	1,000,000 00	845,274 00	.....
Manhattan, N. Y. City.....	29,880 84	.....	.....	29,880 84	865,932 89	608 50	896,361 73	500,000 00	471,880 19	.....
Market, N. Y. City.....	23,127 00	14,500 00	.....	37,627 00	184,281 27	5,537 69	280,483 96	200,000 00	252,845 44	.....
Mercantile, N. Y. City.....	5,638 98	.....	.....	5,638 98	35,659 19	1,138 92	42,452 09	200,000 00	37,915 44	.....
Merchants', Chicago.....	23,416 00	3,000 00	.....	26,416 00	125,802 00	.....	152,318 00	500,000 00	189,480 08	.....
Merchants', Hartford.....	32,563 93	2,950 00	.....	35,513 93	180,322 62	886 23	216,731 83	200,000 00	142,846 18	.....
Merchants', Providence.....	27,981 00	.....	.....	27,981 00	96,982 20	801 47	125,214 67	200,000 00	88,861 39	.....
Metropolitan, N. Y. City.....	11,077 00	7,881 00	33,000 00	21,958 00	62,990 00	2,788 50	81,731 50	800,000 00	.....	781 86
Narragansett Fire and Marine, Providence.....	32,732 37	34,029 49	.....	66,811 86	190,671 66	14,902 37	272,835 89	500,000 00	34,725 24	.....
National, Boston.....	137,789 97	3,500 00	.....	141,289 97	212,538 47	1,750 90	325,374 34	800,000 00	227,888 65	.....
Niagara, N. Y. City.....	29,000 00	20,500 00	.....	49,500 00	283,885 88	1,285 00	314,070 88	1,000,000 00	72,079 70	.....
North American, Hartford.....	24,344 93	.....	.....	24,344 93	162,835 00	.....	157,229 93	800,000 00	4,216 74	.....
North American, N. Y. City.....	51,132 60	9,200 00	.....	60,332 60	119,426 39	50,568 00	230,341 99	500,000 00	72,280 29	.....
North British and Mercantile, London and Edinburgh.....	.....	.....	.....	.....	815,425 61	11,146,738 12	11,963,154 60	1,310,000 00	2,273,709 40	.....
Norwich, Norwich.....	6,243 84	.....	.....	6,243 84	52,585 37	77 30	58,856 01	300,000 00	2,387 64	.....
New York Central, Union Springs, N. Y.....	8,455 82	2,300 00	.....	10,755 82	83,498 53	1,095 23	95,349 13	100,000 00	6,468 62	.....
Occidental, San Francisco.....	17,468 75	.....	.....	17,468 75	91,581 00	4,161 80	113,101 55	800,000 00	22,839 92	.....
Pacific, San Francisco.....	Not given.	Not given.	.....	63,244 00	888,719 93	.....	402,963 93	1,000,000 00	233,860 87	.....
Phoenix, Brooklyn.....	77,666 22	86,371 00	11,247 44	102,709 78	405,611 71	1,922 22	510,243 71	1,000,000 00	305,711 15	.....
Phoenix, Hartford.....	44,217 95	13,500 00	.....	57,717 95	612,056 27	.....	669,774 22	600,000 00	869,194 64	.....



TABLE No. 2—FIRE LIABILITIES—CONTINUED.

NAME AND LOCATION.	UNPAID LOSSES.				Reinsurance at fifty per cent.	All other Claims.	Total Liabli- ties except Capital Stock.	Capital Stock paid up.	Net Surplus over Capital.	Deduction in Capital.
	Adjusted and Unadjusted	Registered and Disputed.	Deduct Re-ins. in other Co's	Net Amount.						
Providence Washington, Providence.....	\$14,915 88	.....	.....	\$14,915 88	\$74,799 28	\$18,587 00	\$108,245 16	\$900,000 00	\$93,898 94	.....
Putnam, Hartford.....	45,887 50	.....	.....	45,887 50	293,918 32	.....	279,770 82	500,000 00	.....	\$22,888 54
Relief, N. Y. City.....	6,950 00	.....	.....	6,950 00	50,179 00	.....	57,129 00	200,000 00	53,965 85	.....
Republic, Chicago.....	104,000 00	.....	.....	104,000 00	217,943 18	.....	821,943 18	939,820 00	57,508 20	.....
Republic, N. Y. City.....	46,535 24	\$10,425 02	\$6,768 46	50,176 80	150,412 01	7,996 66	208,555 47	800,000 00	189,286 04	.....
Roger Williams, Providence.	47,723 95	1,000 00	.....	48,723 95	59,358 54	468 80	108,452 35	200,000 00	.....	8,143 28
Schenectady, Schenectady....	7,452 00	8,500 00	2,000 00	9,152 00	84,241 66	99 00	43,592 66	100,000 00	.....	2,825 71
Security, N. Y. City.....	108,409 76	12,200 00	6,700 00	118,909 76	595,310 75	5,744 66	714,945 17	1,000,000 00	802,904 64	.....
Springfield Fire and Marine, Springfield, Mass.....	25,125 59	5,100 00	.....	30,225 59	298,739 35	570 15	807,285 09	500,000 00	193,824 81	.....
Standard, N. Y. City.....	1,827 73	7,000 00	.....	8,827 73	48,298 69	2,755 21	59,881 63	200,000 00	133,811 92	.....
State, Chicago.....	8,767 75	.....	2,400 00	1,867 75	30,295 83	.....	31,663 58	223,240 00	.....	11,924 15
State, Cleveland.....	22,113 85	.....	.....	22,113 85	79,591 20	.....	101,704 55	200,000 00	.....	21,314 81
Sun, Cleveland.....	8,000 00	.....	.....	8,000 00	57,171 83	.....	65,171 83	200,000 00	15,139 17	.....
Tentonia, Cleveland.....	2,800 00	.....	.....	2,800 00	84,861 97	.....	87,161 97	200,000 00	.....	14,835 21
Tradesmen's, N. Y. City.....	9,464 73	10,600 00	.....	20,064 73	92,759 60	3,677 43	116,501 76	150,000 00	167,224 21	.....

Washington, N. Y. City.....	7,514 00	1,000 00	.....	8,514 00	112,495 94	13,927 91	184,988 85	400,000 00	248,118 84	.....
Watertown, Watertown, N. Y. ....	.....	.....	.....	.....	31,305 00	.....	31,305 00	100,000 00	17,326 47	.....
Western, Buffalo.....	23,954 65	27,484 80	.....	51,439 25	171,190 08	.....	222,629 27	300,000 00	64,829 50	.....
Winnebuck, Freeport, Ill....	6,572 00	8,400 00	.....	9,972 00	41,885 88	10,000 00	61,887 68	100,000 00	155,193 46	.....
Yonkers and New York, N. Y. City .....	36,000 00	.....	.....	36,000 00	212,062 96	.....	248,062 96	500,000 00	184,078 81	.....

TABLE No. 3—FIRE INCOME.

*Summary Analysis of the Income of the Fire, and Fire and Marine Insurance Companies of other States and Foreign Countries, transacting business in this State, December 31st, 1869.*

NAME AND LOCATION.	PREMIUMS.		INTEREST.		Received for Rents.	Received from all other sources.	Total Cash Income.	Excess of Income over Expenditures.	Excess of Expenses over Income.
	Fire.	Marine and Inland.	On Bonds and Mortgages.	On Stocks, bonds, and from other sources.					
Ætna, Hartford.....	\$3,377,814 14	\$192,624 41	\$1,180 00	\$339,164 31	\$6,385 84	.....	\$3,387,928 70	\$450,096 98	.....
Ætna, N. Y. City.....	155,052 62	2,165 78	7,014 24	27,137 60	.....	.....	191,370 24	33,456 21	.....
Agricultural, Watertown, N. Y.....	237,884 90	.....	15,643 10	12,178 23	.....	\$1,756 53	267,472 81	89,447 83	.....
Albany City, Albany.....	845,238 52	240,708 53	2,362 50	25,917 80	.....	.....	654,237 40	11,851 18	.....
American, Providence.....	67,594 90	53,908 16	.....	23,190 51	.....	.....	145,063 87	30,960 01	.....
American Exchange, N. Y. City.....	61,484 25	.....	4,092 56	15,159 76	2,575 00	.....	88,311 57	16,645 09	.....
Astor, N. Y. City.....	199,680 87	.....	2,464 46	26,392 04	.....	.....	290,487 37	32,357 16	.....
Atlantic, Brooklyn.....	242,996 27	.....	4,009 60	25,974 26	.....	.....	273,980 13	7,740 86	.....
Atlantic F. and M., Providence.....	82,561 76	18,143 63	.....	19,758 84	.....	.....	190,438 73	5,510 40	.....
Aurora, Covington, Ky.....	18,078 95	.....	.....	899 43	.....	.....	18,978 38	.....	\$857 49
Beckman, N. Y. City.....	80,906 84	.....	12,676 06	8,637 95	.....	.....	102,370 85	615 43	.....
Buffalo City, Buffalo.....	160,324 62	15,373 97	.....	18,764 50	.....	1,068 53	195,440 64	17,394 51	.....

Buffalo Fire and Marine, Buffalo.....	169,886 76	14,718 05	6,006 74	22,808 07	622 85	1,297 52	907,480 01	19,768 18	.....
Buffalo German, Buffalo.....	50,544 09	.....	1,121 10	11,694 48	.....	798 45	64,153 82	28,647 86	.....
Capital City, Albany.....	49,675 23	.....	.....	19,556 06	.....	.....	69,281 61	11,500 45	.....
Charter Oak Fire and Marine, Hartford.....	188,884 25	.....	.....	18,309 59	.....	.....	157,193 84	22,438 64	.....
Citizens', N. Y. City.....	242,764 01	.....	4,918 65	38,283 56	535 00	50 00	286,516 22	48,927 17	.....
City Fire, Hartford.....	893,838 96	.....	5,605 56	28,707 92	.....	.....	416,787 44	68,441 79	.....
Cleveland, Cleveland.....	296,331 21	41,650 11	2,552 24	18,762 11	7,927 88	9,241 78	309,415 23	44,944 89	.....
Commerce, Albany.....	244,750 23	.....	4,468 39	39,696 00	2,125 00	15,108 81	326,189 08	48,154 11	.....
Commerce, N. Y. City.....	55,719 92	500 00	3,642 98	11,702 68	.....	.....	71,558 58	.....	2,241 92
Commercial, Chicago.....	111,967 96	.....	1,607 84	2,158 69	12,769 45	9,838 28	188,887 17	36,706 28	.....
Commercial Mutual, Cleveland.....	64,596 61	80,710 86	1,866 19	18,796 86	.....	.....	165,900 02	5,862 81	.....
Commonwealth, N. Y. City.....	278,878 73	.....	15,784 79	10,245 47	.....	.....	304,858 96	18,464 86	.....
Connecticut, Hartford.....	123,463 74	.....	.....	22,591 98	550 00	.....	176,604 72	30,799 23	.....
Continental, N. Y. City.....	752,122 08	.....	52,138 65	100,648 79	22,909 27	6,491 36	934,300 05	266,841 84	.....
Corn Exchange, N. Y. City.....	164,316 60	1,885 68	6,801 05	15,987 79	.....	.....	188,891 12	.....	16,882 62
Excelsior, N. Y. City.....	180,299 79	.....	8,417 51	11,394 56	16,670 84	.....	211,652 70	1,290 84	.....
Firemen's, N. Y. City.....	192,216 54	.....	6,892 08	17,805 01	.....	.....	216,308 69	.....	11,871 48
Firemen's Fund, San Francisco.....	198,498 65	188,405 94	59,760 88	.....	16,807 04	5,419 45	418,886 96	97,012 86	.....
Fulton, N. Y. City.....	207,104 84	.....	.....	16,157 54	.....	.....	223,264 88	42,706 52	.....
Germania, N. Y. City.....	594,717 61	46,865 02	17,220 02	48,450 83	15,444 09	.....	657,697 12	47,667 93	.....
Glenn's Falls, Glenn's Falls, N. Y.....	277,305 59	.....	6,862 09	26,290 24	898 75	99 78	310,984 45	46,089 90	.....
Hartford, Hartford.....	1,575,137 04	.....	.....	66,511 63	4,205 86	117,379 81	1,708,184 88	298,144 13	.....

TABLE No. 3—FIRE INCOME—CONTINUED.

NAME AND LOCATION.	PREMIUMS.		INTEREST.		Received for Rents.	Received from all other sources.	Total Cash Income.	Excess of Income over Expenses.	Excess of Expenses over Income.
	Fire.	Marine and Inland.	On Bonds and Mortgages.	On Stocks, bonds, and from other sources.					
Hanover, N. Y. City.....	\$419,068 00	\$38,003 78	\$3,949 81	\$37,323 75	.....	\$75 00	\$500,413 24	\$14,900 50	.....
Hide and Leather, Boston.....	107,701 47	42,155 06	8,390 13	16,685 94	.....	.....	174,933 59	32,754 28	.....
Home, Columbus, Ohio.....	105,463 39	.....	10,113 30	75 33	.....	.....	115,663 02	42,505 51	.....
Home, New Haven.....	1,715,504 99	258,166 09	8,023 00	63,813 11	.....	30,844 84	2,060,359 63	63,476 29	.....
Home, N. Y. City.....	2,113,463 25	72,507 53	99,605 16	188,273 53	\$9,837 71	1,633 35	2,477,843 97	594,708 43	.....
Hope, Providence.....	50,248 13	.....	.....	13,731 78	1,250 00	.....	63,983 96	10,023 46	.....
Howard, N. Y. City.....	164,456 44	2,031 51	3,630 40	33,020 11	5,454 00	.....	210,533 43	33,300 90	.....
Imperial, London.....	2,173,019 84	.....	.....	183,113 70	.....	.....	2,356,133 54	204,333 96	.....
Independent, Boston.....	214,457 95	121,273 64	2,100 00	30,540 08	.....	.....	368,393 67	63,307 39	.....
Insurance Company of North America, Philadelphia.....	1,054,397 24	651,609 45	44,390 93	75,037 09	.....	.....	1,825,914 76	486,171 79	.....
International, N. Y. City.....	655,163 41	9,103 97	550 00	73,393 04	.....	.....	743,163 43	114,943 73	.....
Irring, N. Y. City.....	132,593 13	.....	3,333 73	16,137 54	.....	8,963 63	146,603 07	31,730 08	.....
Lamar, Chicago.....	43,333 49	.....	.....	99 93	.....	5,000 00	43,433 43	3,303 90	.....
Lamar, N. Y. City.....	147,303 33	6,609 40	3,445 00	37,073 04	.....	18,403 51	205,337 37	36,333 47	.....

Lorillard, N. Y. City.....	661,468 99	28,888 46	69,494 69	754,809 14	90,493 08	.....
Manhattan, N. Y. City.....	745,864 51	17,663 61	50,604 98	1,010,849 35	138,599 48	.....
Market, N. Y. City.....	332,188 88	16,311 92	27,011 92	385,460 22	78,580 59	.....
Mercantile, N. Y. City.....	78,206 46	5,709 67	12,601 76	96,510 89	11,185 04	.....
Merchants', Chicago.....	880,898 90	94,564 28	6,440 10	574,827 69	108,888 78	.....
Merchants', Hartford.....	843,800 49	17,986 45	21,868 18	882,710 12	70,120 47	.....
Merchants', Providence.....	198,541 49	46,968 71	26,847 29	267,392 49	45,778 06	.....
Metropolitan, N. Y. City.....	152,648 71	4,728 85	18,409 14	192,041 81	88,867 29	.....
Narragansett Fire and Marine, Providence.....	816,780 64	182,880 47	48,110 07	502,047 88	51,587 82	.....
National, Boston.....	238,609 46	827,245 89	58,856 67	689,188 08	110,868 56	.....
Niagara, N. Y. City.....	600,455 79	52,613 80	60,533 89	737,825 88	18,127 91	.....
North American, Hartford.....	384,528 84	210 00	28,949 82	388,685 16	28,017 81	.....
North American, N. Y. City.....	874,760 67	15,760 29	26,966 28	480,476 29	23,948 28	.....
North British and Mercantile, London and Edinburgh.....	2,444,377 16	.....	187,287 18	8,374,164 20	641,887 69	.....
Norwich, Norwich.....	900,009 64	.....	21,710 87	221,720 21	9,895 09	.....
New York Central, Union Springs, New York.....	108,380 64	2,801 10	9,933 87	115,645 61	25,944 07	.....
Occidental, San Francisco.....	188,256 52	59,501 67	8,960 79	281,613 05	48,698 08	.....
Pacific, San Francisco.....	682,917 49	881,018 62	140,095 52	1,184,928 54	144,689 46	.....
Phoenix, Brooklyn.....	777,109 14	885,699 11	46,719 98	1,264,795 08	188,099 26	.....
Phoenix, Hartford.....	1,267,979 26	6,604 87	27,443 88	1,873,028 96	205,817 78	.....
Providence Washington, Providence.....	147,137 88	.....	14,870 50	171,947 88	6,709 59	.....

TABLE No. 3—FIRE INCOME—CONTINUED.

NAME AND LOCATION.	PREMIUMS.		INTEREST.		Received for Rents.	Received from all other sources.	Total Cash Income.	Excess of Income over Expenditures.	Excess of Expenditures over Income.
	Fire.	Marine and Inland.	On Bonds and Mortgages.	On Stocks, bonds, and from other sources.					
Putnam, Hartford.....	\$627,169 99	.....	\$4,285 40	\$31,804 66	\$4,500 00	.....	\$667,750 05	\$12,055 28	.....
Relief, N. Y. City.....	180,490 90	.....	7,210 00	9,478 98	.....	\$14,761 10	161,985 98	22,092 21	.....
Republic, Chicago.....	650,530 89	\$220,991 25	.....	78,812 68	.....	65,464 68	1,010,848 65	226,998 42	.....
Republic, N. Y. City.....	286,431 85	58,947 91	7,588 16	27,325 58	8,900 00	.....	384,088 75	17,198 71	.....
Roger Williams, Providence.....	116,042 52	35,090 82	.....	14,794 21	.....	50,000 00	215,927 55	86,618 08	.....
Schenectady, Schenectady.....	68,692 86	681 87	.....	4,088 40	.....	.....	78,418 18	4,835 87	.....
Security, N. Y. City.....	1,278,242 99	324,557 87	30,864 78	64,116 89	.....	.....	1,697,292 08	389,974 41	.....
Springfield Fire and Marine, Springfield, Mass.....	437,628 85	.....	5,599 54	50,616 39	8,800 00	.....	547,144 78	21,513 51	.....
Standard, N. Y. City.....	106,801 04	.....	3,986 98	19,012 68	.....	2,049 81	181,299 91	16,119 16	.....
State, Chicago.....	68,507 11	.....	.....	8,888 48	125 00	1,562 02	68,777 61	17,145 12	.....
State, Cleveland.....	163,804 13	11,728 22	10,808 70	13,184 31	.....	.....	198,970 86	50,274 59	.....
Sun, Cleveland.....	101,751 07	.....	.....	18,665 05	.....	.....	190,416 12	8,838 67	.....
Tentonia, Cleveland.....	72,723 95	.....	9,217 28	.....	.....	.....	81,941 28	21,902 77	.....
Trademen's, N. Y. City.....	195,450 89	614 42	8,786 16	16,481 87	.....	.....	221,392 84	55,985 87	.....

Washington, N. Y. City.....	237,145 84	25,100 05	3,842 86	23,623 73	7,136 47	296,908 45	21,626 66	.....
Watertown, Watertown, N. Y.....	58,013 07	.....	6,225 69	2,632 37	26 60	61,807 73	23,819 89	.....
Western, Buffalo.....	344,913 86	218,855 57	5,281 02	30,297 89	42,588 10	642,187 04	.....	\$26,705 86
Winnehsiek, Freeport, Ill.....	78,228 18	.....	.....	8,907 12	9,762 88	91,898 18	885 24	.....
Yonkers and New York, N. Y. City...	408,874 17	.....	8,229 49	45,047 84	.....	468,151 00	40,542 11	.....



TABLE NO. 4—FIRE EXPENDITURES.

*Summary Analysis of the Expenditures of the Fire, and Fire and Marine Insurance Companies of other States and Foreign Countries, transacting business in this State, December 31st, 1869.*

NAME AND LOCATION.	LOSSES.		Dividends.	Commissions.	Salaries of Officers, &c.	TAXES.		All other Expenses.	Total Expenditures.
	Fire.	Marine and Inland.				National.	State and Local.		
Ætna, Hartford.....	\$1,561,443 24	\$107,750 86	\$660,000 00	\$506,008 24	\$14,500 00	\$107,833 98	\$78,642 50	\$443,108 80	\$3,478,881 72
Ætna, N. Y. City.....	56,041 64	.....	42,000 00	15,215 20	19,598 40	6,174 59	2,184 15	16,725 05	187,884 08
Agricultural, Watertown, N. Y.....	95,098 08	.....	25,000 00	25,450 00	12,071 84	10,001 81	4,198 87	6,210 79	178,024 96
Albany City, Albany.....	225,804 51	225,086 40	20,000 00	89,150 08	25,126 29	10,877 51	4,460 88	41,880 65	642,886 23
American, Providence.....	43,508 58	21,390 73	19,597 95	10,088 53	5,000 00	8,555 55	1,564 41	4,592 11	114,158 86
American Exchange, N. Y. City.....	14,547 97	.....	20,000 00	8,141 62	18,415 50	8,871 83	1,556 89	10,893 67	66,666 48
Astor, N. Y. City.....	111,818 48	.....	80,000 00	19,653 64	14,850 00	5,801 89	8,228 43	13,754 32	198,180 21
Atlantic, Brooklyn.....	182,808 65	978 77	86,000 00	24,422 02	25,062 96	5,079 46	8,555 80	87,281 61	265,239 27
Atlantic F. and M., Providence.....	55,924 58	4,505 85	24,809 00	12,381 04	8,479 84	2,798 12	2,759 31	8,756 09	114,973 88
Aurora, Covington, Ky.....	6,218 10	.....	.....	8,654 99	5,100 00	.....	919 28	8,450 50	19,385 87
Beekman, N. Y. City.....	45,783 69	.....	20,165 25	9,289 27	9,287 83	2,198 79	3,997 08	11,088 47	101,655 43
Buffalo City, Buffalo.....	85,284 50	18,615 61	20,000 00	26,410 05	9,893 91	4,518 74	2,358 02	15,266 80	177,906 18
Buffalo F. and M., Buffalo.....	65,080 61	15,178 68	60,470 13	21,166 74	9,600 00	7,038 24	1,438 63	13,948 86	194,601 53

Buffalo German, Buffalo.....	12,624 81	.....	7,000 00	5,307 58	4,919 13	2,194 17	184 80	8,845 97	86,505 96
Capital City, Albany.....	18,750 55	.....	20,000 00	7,608 18	4,100 00	1,683 46	988 54	4,583 48	57,781 16
Charter Oak F. and M., Hartford..	79,350 29	.....	16,500 00	19,450 48	7,008 33	4,113 86	2,668 58	5,668 66	184,755 30
Citizens', N. Y. City.....	96,392 61	.....	60,864 00	16,649 89	87,043 26	11,159 28	2,927 18	18,153 83	242,530 05
City Fire, Hartford.....	199,394 28	.....	39,538 00	60,151 01	94,531 85	.....	21,486 45	15,926 56	338,345 65
Cleveland, Cleveland.....	116,571 00	38,748 43	15,025 00	38,708 50	80,629 13	9,577 54	4,950 88	36,071 91	264,570 84
Commerce, Albany.....	155,499 19	.....	40,000 00	48,487 87	11,411 23	7,808 97	6,188 59	18,589 97	277,985 83
Commerce, N. Y. City.....	96,478 09	.....	20,000 00	9,941 78	13,658 80	2,668 96	895 09	7,160 23	73,800 50
Commercial, Chicago.....	89,248 14	9,675 74	.....	14,563 17	15,233 33	1,604 83	4,581 88	16,784 81	101,680 89
Commercial Mutual, Cleveland....	28,210 81	43,244 62	54,088 49	11,528 80	11,000 00	4,741 79	8,519 57	9,190 13	160,517 21
Commonwealth, N. Y. City.....	225,202 65	.....	25,000 00	26,888 47	17,865 32	8,549 37	8,167 60	17,180 90	318,323 84
Connecticut, Hartford.....	76,397 30	.....	24,000 00	26,607 77	9,000 00	3,775 37	3,650 00	2,875 00	145,805 44
Continental, N. Y. City.....	210,436 13	.....	137,945 46	84,648 73	86,393 43	22,662 36	19,105 01	53,778 02	667,968 31
Corn Exchange, N. Y. City.....	137,796 32	2,737 59	265 00	19,084 65	17,866 59	4,100 79	6,959 20	17,018 60	206,973 74
Excelsior, N. Y. City.....	118,210 40	.....	20,000 00	24,846 11	21,557 53	5,949 88	6,181 85	13,646 59	210,392 36
Firemen's, N. Y. City.....	129,228 50	.....	40,800 00	25,312 26	17,412 72	6,948 11	2,508 27	15,917 25	288,925 11
Firemen's Fund, San Francisco....	66,679 00	78,889 70	60,000 00	24,875 73	29,162 50	11,689 08	6,928 13	44,204 97	316,774 10
Fulton, N. Y. City.....	74,178 38	.....	20,000 00	19,498 82	30,700 00	.....	14,852 40	31,868 26	180,537 86
Germania, N. Y. City.....	282,305 86	42,127 15	50,000 00	77,249 95	38,858 65	18,180 92	9,909 20	84,437 47	610,009 20
Glenn's Falls, Glenn's Falls, N. Y.	150,520 27	.....	20,000 00	46,308 53	14,594 76	10,451 25	2,849 16	30,673 53	264,894 55
Hartford, Hartford.....	798,478 90	.....	200,033 00	241,435 92	66,801 59	46,788 01	84,508 29	81,950 50	1,464,990 21
Hanover, N. Y. City.....	222,009 10	39,806 58	40,000 00	60,767 88	86,437 51	13,062 42	8,948 00	64,361 35	485,443 84

TABLE No. 3—FIRE INCOME.

*Summary Analysis of the Income of the Fire, and Fire and Marine Insurance Companies of other States and Foreign Countries, transacting business in this State, December 31st, 1869.*

NAME AND LOCATION.	PREMIUMS.		INTEREST.			Received for Rents.	Received from all other sources.	Total Cash Income.	Excess of Income over Expenditures.	Excess of Expenses over Income.
	Fire.	Marine and Inland.	On Bonds and Mortgages.	On Stocks, bonds, and from other sources.						
Ætna, Hartford.....	\$3,377,814 14	\$192,624 41	\$1,580 00	\$359,564 81	\$6,895 84	.....	.....	\$3,987,928 70	\$459,096 98	.....
Ætna, N. Y. City.....	155,052 62	2,165 78	7,014 24	27,187 60	.....	.....	.....	191,370 24	88,456 21	.....
Agricultural, Watertown, N. Y.....	227,884 90	.....	15,643 10	12,178 23	.....	.....	\$1,756 53	267,472 81	89,447 83	.....
Albany City, Albany.....	865,233 52	960,708 53	2,862 50	25,917 80	.....	.....	.....	654,267 40	11,851 18	.....
American, Providence.....	67,894 90	58,908 16	.....	23,590 81	.....	.....	.....	145,088 57	80,890 01	.....
American Exchange, N. Y. City.....	61,484 25	.....	4,092 56	15,159 76	2,575 00	.....	.....	88,311 57	16,645 09	.....
Astor, N. Y. City.....	199,680 87	.....	2,464 46	28,392 04	.....	.....	.....	200,487 87	82,857 16	.....
Atlantic, Brooklyn.....	242,996 27	.....	4,009 60	25,974 26	.....	.....	.....	272,980 18	7,740 86	.....
Atlantic F. and M., Providence.....	92,861 76	18,149 63	.....	19,758 34	.....	.....	.....	190,438 73	5,510 40	.....
Aurora, Covington, Ky.....	18,078 95	.....	.....	899 43	.....	.....	.....	18,978 38	.....	.....
Beckman, N. Y. City.....	80,906 84	.....	12,076 06	8,687 95	.....	.....	.....	109,370 65	.....	.....
Buffalo City, Buffalo.....	180,384 62	13,979 97	.....	18,764 50	.....	.....	.....	.....	.....	.....
							1,088 00	.....	.....	\$957 49
								1,088 00	.....	615 48

Manhattan, N. Y. City.....	431,740 83	170,941 43	59,391 50	98,912 43	39,070 05	23,992 60	10,454 09	43,757 30	577,349 87
Market, N. Y. City.....	160,217 57	-----	29,915 88	43,433 18	40,554 96	14,113 50	3,676 64	19,919 96	310,379 63
Mercantile, N. Y. City.....	29,010 43	-----	90,000 00	5,492 10	13,649 43	3,992 81	3,074 71	10,116 33	55,325 85
Merchants', Chicago.....	194,636 74	96,781 95	60,000 00	46,468 73	29,224 90	8,673 20	11,246 33	18,773 06	465,793 96
Merchants', Hartford.....	169,990 13	-----	34,000 00	51,835 85	16,717 33	10,443 24	7,105 74	20,646 86	312,589 65
Merchants', Providence.....	119,010 17	19,635 56	24,000 00	30,887 49	9,322 56	8,508 34	4,235 52	6,029 79	221,579 43
Metropolitan, N. Y. City.....	143,468 57	1,211 75	12,750 00	20,146 29	29,191 10	3,833 14	5,386 39	10,420 73	230,903 53
Naragansett Fire and Marine, Providence.....	213,363 90	64,702 09	70,000 00	54,150 12	31,017 43	13,252 03	5,035 44	-----	420,590 06
National, Boston.....	227,455 63	136,739 16	42,361 26	57,440 33	17,924 53	8,040 09	17,211 40	21,761 53	573,524 47
Niagara, N. Y. City.....	370,161 37	42,127 15	100,100 00	84,633 63	52,300 00	-----	39,030 79	62,050 30	750,933 24
North American, Hartford.....	194,459 53	-----	36,000 00	50,151 00	16,166 36	10,354 30	9,935 77	13,599 30	335,667 35
North American, N. Y. City.....	236,631 10	-----	49,731 50	54,033 30	35,400 00	13,133 14	13,549 66	43,871 36	456,523 06
North British and Mercantile, London and Edinburgh.....	955,552 64	-----	133,600 00	333,351 36	304,903 52	2,539 70	-----	840,232 03	2,632,266 42
Norwich, Norwich.....	145,614 03	-----	15,000 00	30,533 96	7,370 33	-----	8,912 64	16,166 74	224,113 30
New York Central, Union Springs, N. Y.....	50,679 24	-----	10,000 00	13,465 22	3,127 12	3,249 35	1,141 06	3,033 95	39,701 54
Occidental, San Francisco.....	50,339 19	80,190 64	34,000 00	19,933 41	13,745 52	5,031 41	1,866 13	16,233 32	133,004 97
Pacific, San Francisco.....	333,237 26	241,374 37	120,000 00	103,765 57	56,619 96	-----	42,045 73	117,350 79	1,039,394 03
Phoenix, Brooklyn.....	354,509 45	273,231 66	100,000 00	133,450 22	73,015 96	33,155 56	13,733 97	30,460 93	1,076,702 32
Phoenix, Hartford.....	634,246 56	-----	114,000 00	137,036 40	42,913 69	27,216 16	37,972 30	122,323 57	1,166,209 13
Providence Washington, Provi- dence.....	103,133 26	-----	24,992 00	20,525 73	7,536 33	7,441 43	6,323 90	3,149 27	173,637 47

TABLE No. 3—FIRE INCOME—CONTINUED.

NAME AND LOCATION.	PREMIUMS.		INTEREST.				Received for Rents.	Received from all other sources.	Total Cash Income.	Excess of Income over Expenditures.	Excess of Expenditures over Income.
	Fire.	Marine and Inland.	On Stocks, bonds, and from other sources.								
			On Bonds and Mortgages.	On Stocks, bonds, and from other sources.							
Hanover, N. Y. City.....	\$419,008 00	\$88,008 78	\$5,949 81	\$87,328 76	.....	\$75 00	\$500,413 34	\$14,900 50	.....	.....	
Hide and Leather, Boston.....	107,701 47	42,155 06	8,890 12	16,688 94	.....	.....	174,882 59	88,754 28	.....	.....	
Home, Columbus, Ohio.....	108,468 80	.....	10,118 80	75 88	.....	.....	118,608 02	42,505 61	.....	.....	
Home, New Haven.....	1,715,504 99	288,166 09	8,098 00	68,818 11	.....	20,844 84	2,060,859 68	68,476 39	.....	.....	
Home, N. Y. City.....	2,119,468 85	72,507 58	99,605 16	188,973 88	\$9,867 71	1,698 85	2,477,848 97	594,708 48	.....	.....	
Hope, Providence.....	80,848 18	.....	.....	18,781 78	1,250 00	.....	98,838 96	10,028 46	.....	.....	
Howard, N. Y. City.....	164,456 46	2,081 51	8,680 40	85,020 11	8,454 00	.....	210,582 48	88,200 90	.....	.....	
Imperial, London.....	2,178,019 84	.....	.....	188,118 70	.....	.....	2,366,182 54	204,888 96	.....	.....	
Independent, Boston.....	214,467 05	181,973 64	2,100 00	80,540 08	.....	.....	868,805 67	68,807 89	.....	.....	
Insurance Company of North America, Philadelphia.....	1,054,897 24	651,609 45	44,880 98	75,027 09	.....	.....	1,825,914 76	486,171 79	.....	.....	
International, N. Y. City.....	655,168 41	9,108 97	560 00	78,886 04	.....	.....	748,168 48	114,948 76	.....	.....	
Irrving, N. Y. City.....	182,598 18	.....	8,858 78	16,187 54	.....	8,968 68	146,602 07	91,700 08	.....	.....	
Lamar, Chicago.....	48,888 49	.....	.....	89 98	.....	5,000 00	48,488 48	8,806 80	.....	.....	
Lamar, N. Y. City.....	147,898 88	6,009 40	8,445 80	97,078 04	.....	18,408 51	202,887 87	26,898 47	.....	.....	

Lorillard, N. Y. City.....	661,408 99	.....	28,888 46	69,494 69	754,809 14	90,499 08	.....
Manhattan, N. Y. City.....	745,864 51	196,717 80	17,602 61	50,604 93	1,010,849 35	138,390 48	.....
Market, N. Y. City.....	393,136 38	.....	16,311 92	27,011 92	395,460 23	78,380 59	.....
Mercantile, N. Y. City.....	78,306 46	.....	5,709 67	12,601 76	96,510 89	11,186 04	.....
Merchants', Chicago.....	880,868 90	132,138 06	94,564 23	6,440 10	574,327 69	108,388 78	.....
Merchants', Hartford.....	843,860 49	.....	17,966 45	21,808 18	882,710 12	70,120 47	.....
Merchants', Providence.....	198,541 49	46,968 71	.....	26,847 29	267,892 49	45,778 06	.....
Metropolitan, N. Y. City.....	153,643 71	4,738 85	6,759 24	13,409 14	192,041 31	.....	88,867 29
Narragansett Fire and Marine, Providence.....	316,730 64	182,530 47	9,626 70	43,110 07	502,047 83	51,527 82	.....
National, Boston.....	238,602 46	327,245 39	1,906 00	53,556 67	639,188 08	110,868 56	.....
Niagara, N. Y. City.....	600,435 79	53,613 80	12,115 61	69,533 39	737,525 33	.....	13,127 91
North American, Hartford.....	384,526 84	.....	210 00	28,943 32	383,635 16	23,017 81	.....
North American, N. Y. City.....	874,760 67	.....	15,760 29	26,936 23	480,476 29	23,943 23	.....
North British and Mercantile, London and Edinburgh.....	2,446,277 16	.....	.....	187,287 18	3,274,154 20	641,837 69	.....
Norwich, Norwich.....	200,009 64	.....	.....	21,710 37	221,720 21	.....	2,398 09
New York Central, Union Springs, New York.....	103,390 64	.....	2,301 10	9,903 87	115,645 61	22,944 07	.....
Occidental, San Francisco.....	133,256 53	59,501 67	24,394 07	8,960 79	231,613 05	43,608 08	.....
Pacific, San Francisco.....	652,317 40	331,013 02	.....	140,025 53	1,184,233 54	144,629 46	.....
Phoenix, Brooklyn.....	777,103 14	885,692 11	21,943 08	43,719 93	1,264,795 08	188,092 26	.....
Phoenix, Hartford.....	1,267,979 26	.....	6,604 87	97,443 33	1,373,096 96	205,517 78	.....
Providence Washington, Providence.....	147,137 83	.....	.....	14,370 50	171,947 88	.....	6,709 59

TABLE No. 3—FIRE INCOME—CONTINUED.

NAME AND LOCATION.	PREMIUMS.		INTEREST.		Received for Rents.	Received from all other sources.	Total Cash Income.	Excess of Income over Expenditures.	Excess of Expenses over Income.
	Fire.	Marine and Inland.	On Bonds and Mortgages.	On Stocks, bonds, and from other sources.					
Putnam, Hartford.....	\$927,159 99	.....	\$4,285 40	\$91,804 66	\$4,500 00	.....	\$667,750 05	\$12,053 28	.....
Relief, N. Y. City.....	180,490 90	.....	7,210 00	9,473 98	.....	\$14,761 10	161,935 98	22,092 21	.....
Republic, Chicago.....	650,530 89	\$929,991 25	.....	73,812 68	.....	65,464 68	1,010,948 65	226,998 43	.....
Republic, N. Y. City.....	286,431 85	53,947 91	7,533 16	27,925 38	8,800 00	.....	384,088 75	17,198 71	.....
Roger Williams, Providence.....	116,042 92	85,090 82	.....	14,794 21	.....	50,000 00	215,927 55	86,613 08	.....
Schenectady, Schenectady.....	68,602 86	681 87	.....	4,083 40	.....	.....	73,413 18	4,853 87	.....
Security, N. Y. City.....	1,278,942 99	324,557 87	80,864 78	64,116 88	.....	.....	1,667,282 08	389,974 41	.....
Springfield Fire and Marine, Springfield, Mass.....	487,628 85	.....	5,509 54	50,616 39	8,300 00	.....	547,144 78	21,518 51	.....
Standard, N. Y. City.....	106,801 04	.....	3,986 98	19,012 68	.....	2,049 81	131,299 91	16,119 16	.....
State, Chicago.....	63,507 11	.....	.....	3,583 48	125 00	1,562 02	68,777 61	17,145 12	.....
State, Cleveland.....	163,804 13	11,723 22	10,808 70	18,184 81	.....	.....	198,970 86	50,274 59	.....
Sun, Cleveland.....	101,751 07	.....	.....	18,665 05	.....	.....	120,416 12	8,858 67	.....
Tenionia, Cleveland.....	72,723 95	.....	9,317 26	.....	.....	.....	81,041 23	21,902 77	.....
Tradesmen's, N. Y. City.....	195,450 80	614 42	8,766 16	16,431 87	.....	.....	221,932 84	55,935 87	.....

Washington, N. Y. City.....	237,145 84	25,100 05	3,842 86	23,623 78	.....	7,136 47	206,908 45	21,626 66	.....
Watertown, Watertown, N. Y.....	53,013 07	.....	6,225 69	2,032 37	.....	26 60	61,307 73	23,319 89	.....
Western, Buffalo.....	344,913 86	218,835 57	5,251 02	30,297 89	.....	42,588 10	642,187 04	.....	\$26,705 86
Winneshek, Freeport, Ill.....	78,228 18	.....	.....	8,007 12	.....	9,762 88	91,896 18	885 24	.....
Yonkers and New York, N. Y. City...	408,874 17	.....	8,229 49	45,047 84	.....	.....	468,151 00	40,543 11	.....



TABLE No. 4—FIRE EXPENDITURES.

*Summary Analysis of the Expenditures of the Fire, and Fire and Marine Insurance Companies of other States and Foreign Countries, transacting business in this State, December 31st, 1869.*

NAME AND LOCATION.	LOSSES.		Dividends.	Commissions.	Salaries of Officers, etc.	TAXES.		All other Expenditures.	Total Expenditures.
	Fire.	Marine and Inland.				National.	State and Local.		
Etna, Hartford.....	\$1,561,443 24	\$107,750 86	\$660,000 00	\$506,008 24	\$14,500 00	\$107,833 98	\$78,642 50	\$443,108 80	\$3,478,831 72
Etna, N. Y. City.....	56,041 64	.....	42,000 00	15,215 20	19,298 40	6,174 59	2,194 15	16,725 05	157,894 08
Agricultural, Watertown, N. Y.....	96,098 08	.....	25,000 00	25,450 00	12,071 84	10,001 31	4,198 37	6,210 79	178,024 98
Albany City, Albany.....	225,804 51	225,086 40	20,000 00	89,150 08	25,126 29	10,877 51	4,460 83	41,880 65	642,886 23
American, Providence.....	43,508 53	21,290 78	19,597 95	10,088 53	5,000 00	8,535 55	1,594 41	4,522 11	114,158 86
American Exchange, N. Y. City.....	14,547 97	.....	20,000 00	8,141 62	13,415 50	8,371 33	1,556 29	10,693 67	66,666 48
Astor, N. Y. City.....	111,318 43	.....	20,000 00	19,653 64	14,250 00	5,901 39	3,923 43	13,794 32	198,130 21
Atlantic, Brooklyn.....	132,808 65	973 77	26,000 00	24,432 02	25,033 96	5,079 46	3,555 80	37,231 61	285,239 27
Atlantic F. and M., Providence.....	55,924 56	4,505 85	24,309 00	12,331 04	8,479 34	2,798 12	2,759 31	3,796 09	114,973 33
Aurora, Covington, Ky.....	6,218 10	.....	.....	3,654 99	5,100 00	.....	912 28	3,450 50	19,385 87
Beckman, N. Y. City.....	45,733 00	.....	20,165 25	9,239 27	9,297 33	2,198 79	3,997 03	11,033 47	101,655 43
Buffalo City, Buffalo.....	85,294 50	13,615 61	20,000 00	26,410 05	9,893 91	4,518 74	2,258 02	15,968 30	177,906 13
Buffalo F. and M., Buffalo.....	65,980 61	15,178 03	60,470 13	21,166 74	9,600 00	7,538 24	1,433 62	13,948 86	194,681 53

Buffalo German, Buffalo.....	12,624 81	.....	7,000 00	5,307 58	4,919 18	2,134 17	184 80	8,845 97	85,505 96
Capital City, Albany.....	18,750 55	.....	30,000 00	7,608 18	4,100 00	1,603 46	988 54	4,598 48	87,781 16
Charter Oak F. and M., Hartford..	79,350 29	.....	16,500 00	19,450 48	7,008 88	4,119 86	2,666 58	5,666 66	184,755 20
Citizens', N. Y. City.....	96,292 61	.....	60,864 00	16,649 89	87,043 26	11,159 28	2,937 18	18,153 88	242,598 05
City Fire, Hartford.....	199,894 28	.....	39,586 00	60,151 01	24,551 85	.....	21,458 45	15,226 56	388,845 65
Cleveland, Cleveland.....	116,571 00	28,749 43	15,025 00	38,708 50	30,632 13	9,577 54	4,350 88	36,071 91	264,570 84
Commerce, Albany.....	155,499 19	.....	40,000 00	43,487 87	11,411 23	7,808 97	6,188 59	18,589 97	277,985 83
Commerce, N. Y. City.....	26,478 09	.....	20,000 00	2,941 78	13,658 30	2,666 96	895 09	7,160 28	73,800 50
Commercial, Chicago.....	89,243 14	9,675 74	.....	14,563 17	15,223 88	1,606 32	4,581 33	16,784 81	101,689 89
Commercial Mutual, Cleveland.....	28,210 81	43,244 62	54,088 49	11,528 80	11,000 00	4,741 79	8,512 57	9,190 18	160,517 21
Commonwealth, N. Y. City.....	235,202 68	.....	25,000 00	26,888 47	17,385 32	8,548 87	3,167 60	17,180 90	318,323 34
Connecticut, Hartford.....	76,397 80	.....	24,000 00	26,607 77	9,000 00	3,775 87	8,650 00	2,875 00	145,605 44
Continental, N. Y. City.....	210,426 18	.....	137,945 46	54,648 73	86,392 43	22,662 88	19,105 01	53,778 02	637,368 21
Corn Exchange, N. Y. City.....	137,796 32	2,737 59	265 00	19,084 65	17,366 59	4,100 79	6,959 20	17,013 60	205,273 74
Excelsior, N. Y. City.....	113,210 40	.....	30,000 00	24,846 11	21,537 53	5,949 88	6,181 85	13,646 59	210,322 36
Firemen's, N. Y. City.....	122,228 50	.....	40,800 00	23,312 26	17,412 72	6,946 11	2,508 27	15,917 25	238,295 11
Firemen's Fund, San Francisco...	66,679 00	73,880 70	60,000 00	24,875 73	29,163 50	11,689 08	6,928 13	44,204 97	316,774 10
Fulton, N. Y. City.....	74,178 38	.....	20,000 00	19,498 82	20,700 00	.....	14,853 40	31,363 26	180,537 86
Germania, N. Y. City.....	230,305 86	42,127 15	50,000 00	77,249 95	38,358 65	18,190 92	9,909 20	84,427 47	610,059 20
Glenn's Falls, Glenn's Falls, N. Y.	150,520 27	.....	20,000 00	46,308 53	14,596 76	10,451 25	2,849 16	20,673 53	264,894 55
Hartford, Hartford.....	796,473 90	.....	200,032 00	241,435 92	66,501 59	46,738 01	34,508 29	31,950 50	1,464,990 21
Hanover, N. Y. City.....	222,009 10	39,806 53	40,000 00	60,767 88	36,437 51	13,062 42	8,943 00	64,361 35	485,443 84

TABLE No. 4—FIRE EXPENDITURES—CONTINUED.

NAME AND LOCATION.	LOSSES.		Dividends.	Commissions.	Salaries of Officers, &c.	TAXES.		All other Expenditures.	Total Expenditures.
	Fire.	Marine and Inland.				National.	State and Local.		
Hild and Leather, Boston.....	\$45,147 54	\$80,805 26	\$24,000 00	\$16,890 56	\$10,109 81	\$4,191 21	\$8,438 27	\$12,597 66	\$151,178 81
Home, Columbus, Ohio.....	80,682 20	.....	.....	.....	28,152 70	8,594 21	8,788 46	6,994 84	78,157 41
Home, New Haven.....	1,997,106 50	268,938 26	100,080 78	267,895 36	70,443 89	48,566 74	45,841 84	104,176 48	1,996,888 94
Home, N. Y. City.....	900,615 51	78,945 12	292,220 00	294,885 32	188,581 84	52,802 56	52,475 04	187,870 15	1,954,145 54
Hope, Providence.....	46,167 09	.....	14,644 00	9,488 25	4,428 28	2,908 85	1,188 25	7,240 68	88,800 50
Howard, N. Y. City.....	61,028 13	608 70	54,900 00	14,410 84	20,621 65	8,781 13	5,189 96	6,851 64	179,881 58
Imperial, London, England.....	1,143,088 20	.....	290,400 00	296,968 78	188,924 12	.....	.....	288,411 44	2,161,798 54
Independent, Boston.....	78,807 09	118,431 23	10,500 00	Not stated.	Not stated.	Not stated.	Not stated.	92,859 97	300,068 28
Ins. Co. of North America, Philadelphia.....	622,866 82	380,100 94	57,000 00	201,218 40	59,449 01	88,488 25	14,783 38	65,944 17	1,389,743 97
International, N. Y. City.....	839,046 17	9,118 26	52,681 58	96,255 29	57,271 66	19,715 81	12,400 85	51,785 52	628,224 66
Irrving, N. Y. City.....	58,152 74	.....	20,075 00	15,290 84	14,109 50	5,400 06	8,178 47	8,605 43	124,812 04
Lamar, Chicago.....	12,670 54	.....	.....	10,812 91	9,784 76	560 21	.....	11,817 20	45,145 63
Lamar, N. Y. City.....	92,289 16	3,125 41	86,000 00	11,125 80	16,478 81	5,793 02	1,864 68	9,819 00	175,984 40
Lordillard, N. Y. City.....	814,774 88	.....	100,000 00	91,941 98	49,500 00	.....	43,066 40	66,096 85	664,470 11

Manhattan, N. Y. City.....	431,740 83	170,941 48	59,891 50	98,912 43	39,070 05	22,982 60	10,454 09	48,757 39	577,949 87
Market, N. Y. City.....	160,217 57	.....	29,915 83	48,483 18	40,554 96	14,112 50	3,876 64	19,919 96	816,879 68
Mercantile, N. Y. City.....	29,010 43	.....	20,000 00	5,492 10	13,649 48	8,982 81	3,074 71	10,116 83	85,825 85
Merchants', Chicago.....	194,086 74	96,751 95	60,000 00	46,468 78	29,224 90	8,878 20	11,246 33	18,772 06	465,798 96
Merchants', Hartford.....	169,990 13	.....	36,000 00	51,885 85	16,717 83	10,443 24	7,105 74	20,646 36	312,139 65
Merchants', Providence.....	119,010 17	19,685 56	24,000 00	30,887 49	9,222 56	8,508 84	4,285 52	6,029 79	221,579 43
Metropolitan, N. Y. City.....	148,468 57	1,211 75	12,750 00	20,146 29	28,191 10	8,883 14	5,886 89	10,420 79	380,908 58
Narragansett Fire and Marine, Providence.....	212,362 90	64,702 09	70,000 00	54,150 12	81,017 48	18,272 06	5,085 44	.....	420,520 06
National, Boston.....	227,455 63	186,729 16	42,261 26	57,440 82	17,924 53	8,040 09	17,211 40	21,761 58	578,824 47
Niagara, N. Y. City.....	870,161 37	42,127 15	100,100 00	84,683 63	52,800 00	.....	39,080 79	62,050 30	750,938 24
North American, Hartford.....	194,459 52	.....	36,000 00	50,151 00	16,166 86	10,354 90	9,935 77	18,599 80	385,667 85
North American, N. Y. City.....	286,651 10	.....	49,761 50	54,086 80	35,400 00	18,182 14	18,569 66	48,871 36	456,028 06
North British and Mercantile, London and Edinburgh.....	955,552 64	.....	193,600 00	335,351 36	304,908 52	2,339 70	.....	840,232 06	2,632,366 42
Norwich, Norwich.....	145,614 08	.....	15,000 00	30,553 96	7,570 88	.....	8,912 64	16,166 74	224,118 30
New York Central, Union Springs, N. Y.....	50,679 24	.....	10,000 00	18,465 22	3,127 12	8,249 95	1,141 06	8,088 95	89,701 54
Occidental, San Francisco.....	50,889 19	86,190 64	36,000 00	19,993 41	16,745 52	5,061 41	1,866 18	16,288 82	188,004 97
Pacific, San Francisco.....	353,237 26	241,374 87	120,000 00	108,765 57	56,619 96	.....	42,045 73	117,550 79	1,089,594 06
Phenix, Brooklyn.....	354,509 45	273,291 66	100,000 00	138 450 22	73,015 96	33,185 53	18,788 87	80,460 96	1,076,702 82
Phenix, Hartford.....	684,246 56	.....	114,000 00	187,086 40	42,913 00	27,216 16	87,972 80	122,333 57	1,163,209 18
Providence Washington, Provi- dence.....	108,138 36	.....	24,992 00	20,525 73	7,536 86	7,441 43	6,893 90	8,149 27	173,657 47

TABLE No. 4 -- FIRE EXPENDITURES--CONTINUED.

NAME AND LOCATION.	LOSSES.		Dividends.	Commissions.	Salaries of Officers, etc.	TAXES.		All other Expenses.	Total Expenditures.
	Fire.	Marine and Inland.				National.	State and Local.		
Putnam, Hartford.....	\$367,511 07	-----	\$40,000 00	\$91,727 88	\$104,110 00	\$19,307 25	\$12,089 17	-----	\$655,094 83
Relief, N. Y. City.....	82,419 83	-----	20,000 00	9,688 06	12,350 00	4,408 80	8,491 87	\$7,590 23	139,548 77
Republic, Chicago.....	271,738 74	\$165,935 73	67,456 82	142,516 88	46,496 20	21,310 00	6,383 21	61,396 70	788,855 23
Republic, N. Y. City.....	149,941 86	42,381 84	36,467 10	50,782 80	22,568 88	8,593 07	1,802 08	54,064 96	346,940 04
Roger Williams, Providence.....	56,752 53	28,654 09	4,042 00	19,478 25	5,508 84	6,113 06	2,776 58	6,010 66	129,814 47
Schenectady, Schenectady.....	88,940 81	-----	10,000 00	18,608 18	9,487 99	1,528 07	24 00	9,098 76	68,557 76
Security, N. Y. City.....	568,066 45	195,566 68	50,158 24	289,874 82	99,314 76	89,069 96	82,808 37	97,268 96	1,807,807 63
Springfield Fire and Marine, Springfield, Mass.....	323,239 89	-----	63,157 90	73,009 70	15,983 85	6,668 99	17,405 28	21,167 16	525,631 27
Standard, N. Y. City.....	45,435 54	-----	25,000 00	8,256 28	16,649 59	4,646 58	9,363 49	12,779 87	115,180 75
State, Chicago.....	15,962 76	-----	-----	8,825 96	8,806 55	-----	941 23	17,296 00	51,683 49
State, Cleveland.....	60,174 92	10,439 99	10,000 00	80,868 89	6,767 19	18,380 56	8,029 79	-----	148,605 84
Sun, Cleveland.....	57,768 41	-----	18,900 00	9,925 06	18,000 00	9,712 89	8,141 89	6,659 68	112,063 45
Tenionia, Cleveland.....	84,100 02	-----	-----	11,757 15	4,900 00	3,150 80	1,458 56	4,772 84	60,088 37
Tradesmen's, N. Y. City.....	82,457 90	80 00	18,826 25	19,874 24	22,690 00	8,784 20	1,415 08	11,769 45	165,840 97

Washington, N. Y. City.....	79,394 57	12,365 08	88,535 45	81,750 49	89,880 00	9,787 08	6,318 08	19,500 10	275,981 79
Watertown, Watertown, N. Y.....	6,697 48	-----	10,000 00	8,113 44	4,500 00	9,487 48	9,961 00	8,318 50	88,077 84
Western, Buffalo.....	196,705 84	169,176 56	105,000 00	64,966 13	44,019 19	14,743 77	7,906 87	66,375 55	668,993 90
Winnebeck, Freeport.....	86,589 88	-----	2,375 25	25,303 95	9,887 75	-----	-----	16,951 06	91,019 94
Yonkers and New York, N. Y. City.....	210,893 09	-----	59,631 58	55,961 13	36,588 86	10,783 99	7,791 34	48,769 90	499,408 89



---

---

**R E G I S T E R**  
**OF**  
**LIFE INSURANCE COMPANIES,**

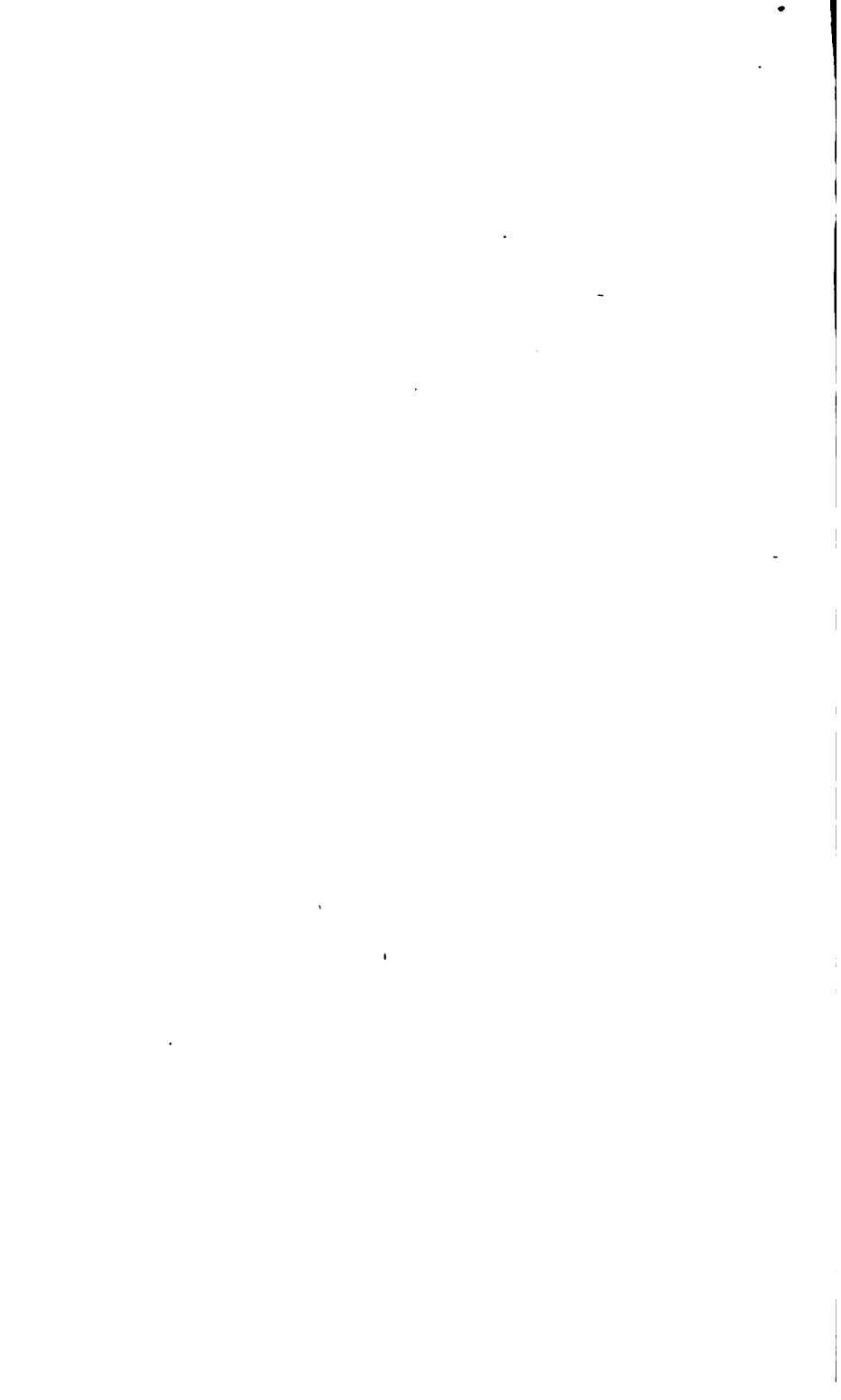
**AUTHORIZED**

**To Transact Business in the State of Michigan during  
the Year 1870.**

---

---





# LIFE INSURANCE COMPANIES.

*The following are the only Life Insurance Companies, which up to this date (July 1st, 1870) have been authorized to transact Life Insurance business in this State during the year 1870.*

DATE OF ADMISSION IN MICHIGAN.	NAME OF COMPANY.	LOCATION.
CONNECTICUT.		
June 14, 1859.	Ætna Life Insurance Company .....	Hartford.
March 8, 1865.	Charter Oak Life Insurance Company .....	"
April 13, 1866.	Connecticut General Life Insurance Co....	"
June 28, 1869.	Connecticut Mutual Life Insurance Co.....	"
Nov. 20, 1866.	Continental Life Insurance Company .....	"
Feb. 27, 1867.	Hartford Life and Annuity Insurance Co....	"
July 9, 1862.	Phoenix Mutual Life Insurance Company...	"
Aug. 24, 1864.	Travelers' Insurance Company .....	"
June 12, 1866.	Railway Passengers' Insurance Company ..	"
DISTRICT OF COLUMBIA.		
Sept. 12, 1868.	National Life Insurance Co. of U. S. A.....	Washington.
ILLINOIS.		
Nov. 26, 1869.	International Life Insurance Company....	Chicago.
May 8, 1867.	Mutual Life Insurance Company .....	"
June 28, 1870.	National Life Insurance Company .....	"
Oct. 27, 1869.	Teutonia Life Insurance Company .....	"
MAINE.		
July 13, 1859.	Union Mutual Life Insurance Company....	Augusta.
MASSACHUSETTS.		
Sept. 29, 1865.	Berkshire Life Insurance Company .....	Pittsfield.
July 7, 1869.	John Hancock's Mutual Life Insurance Co.	Boston.
Feb. 13, 1867.	Massachusetts Mutual Life Insurance Co...	Springfield.

## LIFE INSURANCE COMPANIES—CONTINUED.

DATE OF ADMISSION IN MICHIGAN.	NAME OF COMPANY.	LOCATION.
<b>MASSACHUSETTS—CONTINUED.</b>		
May 31, 1850.	New England Mutual Life Insurance Co....	Boston.
Mar. 28, 1870.	State Mutual Life Assurance Company....	Worcester.
<b>MICHIGAN.</b>		
July 10, 1867.	Michigan Mutual Life Insurance Company.	Detroit.
<b>MISSOURI.</b>		
Feb. 10, 1870.	Life Association of America.....	St. Louis.
June 30, 1860.	St. Louis Mutual Life Insurance Company.	" "
<b>NEW JERSEY.</b>		
June 4, 1866.	Anchor Life Insurance Company.....	Jersey City.
Feb. 22, 1870.	International Life Insurance and Trust Co.	" "
July 15, 1850.	Mutual Benefit Life Insurance Company...	Newark.
March 2, 1868.	New Jersey Mutual Life Insurance Co....	"
<b>NEW YORK.</b>		
May 5, 1868.	American Popular Life Insurance Company	New York City.
April 6, 1860.	Amicable Mutual Life Insurance Company.	" "
May 31, 1860.	Asbury Life Insurance Company.....	" "
June 1, 1866.	Atlantic Mutual Life Insurance Company..	Albany.
Oct. 19, 1864.	Brooklyn Life Insurance Company.....	Brooklyn.
June 22, 1869.	Commonwealth Life Insurance Company...	New York City.
May 30, 1867.	Continental Life Insurance Company .....	" "
Feb. 24, 1860.	Craftsmen's Life Assurance Company.....	" "
Aug. 17, 1868.	Eclectic Life Insurance Company.....	" "
June 23, 1860.	Empire Mutual Life Insurance Company...	" "
Mar. 11, 1861.	Equitable Life Assurance Society of U. S..	" "
June 24, 1860.	Excelsior Life Insurance Company.....	" "
Dec. 6, 1860.	Farmers' and Mechanics' Life Insurance Co.	" "
July 14, 1862.	Germania Life Insurance Company.....	" "
Dec. 12, 1865.	Globe Mutual Life Insurance Company ....	" "
May 19, 1866.	Great Western Mutual Life Insurance Co...	" "
March 2, 1868.	Guardian Mutual Life Insurance Company..	" "
June 25, 1870.	Hercules Mut. Life Assur. Society of U. S.	" "
April 29, 1861.	Home Life Insurance Company.....	Brooklyn.
Mar. 15, 1870.	Hope Mutual Life Insurance Company.....	New York City.

## LIFE INSURANCE COMPANIES—CONTINUED.

DATE OF ADMISSION IN MICHIGAN.	NAME OF COMPANY.	LOCATION.
NEW YORK—CONTINUED.		
May 11, 1861.	Knickerbocker Life Insurance Company...	New York City.
Mar. 28, 1861.	Manhattan Life Insurance Company.....	" "
July 14, 1859.	Mutual Life Insurance Company.....	" "
Nov. 23, 1865.	National Life Insurance Company.....	" "
July 16, 1859.	New York Life Insurance Company.....	" "
Mar. 14, 1868.	North America Life Insurance Company..	" "
April 14, 1862.	Security Life Insurance and Annuity Co...	" "
Feb. 1, 1868.	Standard Life Insurance Company.....	" "
March 4, 1869.	Universal Life Insurance Company.....	" "
Oct. 2, 1866.	Washington Life Insurance Company.....	" "
July 22, 1869.	Western New York Life Insurance Company	Batavia.
Feb. 1, 1867.	World Mutual Life Insurance Company....	New York City.
OHIO.		
June 1, 1868.	Cincinnati Mutual Life Insurance Company	Cincinnati.
April 20, 1866.	Hahnemann Life Insurance Company.....	Cleveland.
Sept. 13, 1867.	Home Mutual Life Insurance Company.....	Cincinnati.
April 25, 1870.	Union Central Life Insurance Company....	"
PENNSYLVANIA.		
July 30, 1869.	United Security Life and Trust Ins. Co....	Philadelphia.
RHODE ISLAND.		
Nov. 17, 1868.	Economical Mutual Life Insurance Co.....	Providence.
WISCONSIN.		
June 24, 1864.	Northwestern Mutual Life Insurance Co...	Milwaukee.



---

---

**LIFE INSURANCE COMPANIES**

**OF**

**OTHER STATES.**

---

---

TABLE

*Showing the Names of Attorneys of, and Amount of Premiums Received by, the various Life Insurance Companies of other States, doing business in Michigan, during the year 1869.*

NAME.	LOCATION.	Entered the State.	ATTORNEY.		Assets Dec. 31, 1869.	Premium Re- ceipts in Mich., 1869.
			Name.	Residence.		
Etna.....	Hartford.....	June 14, 1869.	O. R. Wilmarth.....	Grand Rapids..	\$13,237,456 21	\$79,847 19
American Popular.....	N. Y. City.....	May 5, 1868.	Gleason F. Cole.....	Nashville.....	808,945 92	223 23
American Tontine L. & S.....	N. Y. City.....	May 1, 1868.	.....	.....	.....	.....
Amicable Mutual.....	N. Y. City.....	April 6, 1869.	Frank J. Phelps.....	Detroit.....	204,173 55	.....
Anchor.....	Jersey City.....	June 4, 1866.	E. W. Skinner & Co.....	Coldwater.....	239,037 21	1,893 00
Aetna.....	N. Y. City.....	May 31, 1869.	William S. Campbell.....	Detroit.....	304,351 50	168 89
Atlantic Mutual.....	Albany.....	June 1, 1866.	William Ambridge.....	Detroit.....	597,794 16	14,956 23
Berkshire.....	Pittsfield.....	Sept. 29, 1865.	Edmund S. Wheeler.....	Detroit.....	1,844,005 10	2,299 18
Brooklyn.....	Brooklyn.....	Oct. 19, 1864.	H. S. Tewksbury.....	Flint.....	1,357,799 22	577 86
Charter Oak.....	Hartford.....	March 8, 1865.	Ronald Kelly.....	Detroit.....	7,203,593 53	37,897 63
Cincinnati Mutual.....	Cincinnati.....	June 1, 1868.	Joseph A. Tibbits.....	Sturgis.....	219,239 17	778 51
Commonwealth.....	N. Y. City.....	June 22, 1869.	Joseph E. Griggs.....	Jackson.....	249,820 89	54 80
Connecticut General.....	Hartford.....	April 18, 1866.	.....	.....	542,497 81	1,521 76
Connecticut Mutual.....	Hartford.....	June 28, 1859.	Hodges Bros.....	Detroit.....	27,566,479 26	268,219 07

Continental.....	Hartford.....	Nov. 20, 1866.	Jones & Porter.....	Lansing.....	1,677,651 42	9,566 24
Continental.....	N. Y. City.....	May 30, 1867.	Charles Ten Winkle.....	Detroit.....	3,600,102 80	88,364 80
Craftman's.....	N. Y. City.....	Feb. 24, 1869.	John Lokio.....	Detroit.....	284,164 38	1,266 89
Eclectic.....	N. Y. City.....	Aug. 17, 1868.	.....	.....	.....	1,854 84
Economical Mutual.....	Providence.....	Nov. 17, 1868.	William C. Green.....	Detroit.....	536,235 69	4,138 66
Empire Mutual.....	N. Y. City.....	June 28, 1869.	George S. Goodale.....	Detroit.....	292,194 79	562 88
Equitable.....	N. Y. City.....	Mar. 11, 1861.	Andrew J. Gouid.....	Jackson.....	10,510,824 42	14,864 00
Excelsior.....	N. Y. City.....	June 24, 1869.	Charles Holmes, Jr.....	Ypsilanti.....	351,684 88	589 68
Farmers' and Mechanics'.....	N. Y. City.....	Dec. 6, 1869.	B. B. Mitchell.....	Detroit.....	166,845 08	.....
Germania.....	N. Y. City.....	July 14, 1862.	Herman Kuhn.....	Detroit.....	8,294,404 89	17,084 46
Globe Mutual.....	N. Y. City.....	Dec. 12, 1865.	.....	.....	2,251,057 12	2,245 00
Great Western Mutual.....	N. Y. City.....	May 19, 1866.	W. J. Slater.....	Detroit.....	551,484 09	5,187 25
Guardian Mutual.....	N. Y. City.....	March 2, 1868.	Joseph W. Donovan.....	Detroit.....	2,041,746 51	64,887 52
Hahnemann.....	Cleveland.....	April 20, 1866.	C. T. Harris.....	Ann Arbor.....	414,881 40	6,564 59
Hartford Life and Annuity.....	Hartford.....	Feb. 27, 1867.	Frederick W. Griswold..	Detroit.....	508,845 71	1,558 20
Home.....	Brooklyn.....	April 29, 1861.	T. N. Walls.....	Flint.....	2,388,081 61	3,116 65
Home Mutual.....	Cincinnati.....	Sept. 18, 1867.	W. S. Chamberlain.....	Detroit.....	250,879 01	6,558 66
International.....	Chicago.....	Nov. 26, 1869.	Ira C. Mumford.....	Jackson.....	152,900 90	.....
John Hancock Mutual.....	Boston.....	July 7, 1869.	Joao. Robertson.....	Detroit.....	1,582,801 88	499 08
Knickerbocker.....	N. Y. City.....	May 11, 1861.	J. W. Langdon.....	Detroit.....	6,680,965 56	21,665 72
Manhattan.....	N. Y. City.....	Mar. 28, 1861.	Daniel D. Field.....	Detroit.....	6,287,112 85	5,061 71
Massachusetts Mutal.....	Springfield.....	Feb. 18, 1867.	Morris Bros.....	East Saginaw..	2,879,957 87	10,746 76



TABLE—CONTINUED.

NAME.	LOCATION.	Entered the State.	ATTORNEY.		Assets Dec. 31, 1899.	Premium Re- ceipts in Mich., 1900.
			Name.	Residence.		
Mutual.....	Chicago.....	May 8, 1867.	Geo. H. Bruce.....	Adrian.....	\$509,675 54	\$19,886 25
Mutual Benefit.....	Newark.....	July 15, 1859.	Perrin V. Fox.....	Grand Rapids..	19,505,800 96	121,113 92
Mutual.....	N. Y. City.....	July 14, 1859.	Thomas Ferguson.....	Detroit.....	87,579,168 61	130,781 80
National.....	N. Y. City.....	Nov. 28, 1865.	D. T. Dell.....	Augusta.....	743,215 24	814 82
National of U. S. A.....	Washington, D. C..	Sept. 12, 1868.	D. W. Kean.....	Detroit.....	1,466,505 25	12,664 0
New England Mutual.....	Boston.....	May 31, 1859.	F. & C. C. Peavy.....	Detroit.....	8,630,297 43	46,862 63
New Jersey Mutual.....	Newark.....	March 2, 1868.	M. Howard Webster.....	Detroit.....	485,904 82	2,143 86
New York.....	N. Y. City.....	July 16, 1859.	Solon McElroy.....	Detroit.....	13,337,924 63	146,086 00
North America.....	N. Y. City.....	Mar. 14, 1863.	Eleazar Price.....	Jackson.....	4,768,579 01	16,820 65
North-Western Mutual.....	Milwaukee.....	June 24, 1864.	Chas. Avinger.....	Detroit.....	6,757,583 36	143,438 30
Phoenix Mutual.....	Hartford.....	July 9, 1862.	Isaac Bull.....	Marshall.....	4,997,973 50	23,094 06
Security Life and Annuity.....	N. Y. City.....	April 14, 1862.	Melvin Mudge.....	Quincy.....	2,377,652 02	8,229 63
Standard.....	N. Y. City.....	Feb. 1, 1863.	Henry L. Reeves.....	Detroit.....	243,438 24	883 36
St. Louis Mutual.....	St. Louis.....	June 30, 1860.	George Gifford.....	Detroit.....	4,507,066 60	10,768 42
Tentonia.....	Chicago.....	Oct. 27, 1860.	F. W. Duvernois.....	Detroit.....	139,436 03	-----
Travelers'.....	Hartford.....	Aug. 24, 1864.	Amos C. Blodgett.....	Ypsilanti.....	1,390,399 54	18,543 60

Union Mutual.....	Augusta.....	July 12, 1889.	Chas B. Hebbard.....	Detroit.....	4,411,880 55	13,773 15
United Security Life and Trust..	Philadelphia.....	July 30, 1889.	James M. Welch.....	Detroit.....	158,379 55	80 70
Universal.....	N. Y. City.....	March 4, 1885.	Slimeon Ostrander.....	Lansing.....	795,868 66	5,518 80
Washington.....	N. Y. City.....	Oct. 2, 1886.	Henry Chantler.....	Detroit.....	2,009,717 88	4,094 54
Western New York.....	Batavia.....	July 22, 1889.	Cutcheon & Allen.....	Ypsilanti.....	158,780 66	-----
World Mutual.....	N. Y. City.....	Feb. 1, 1887.	John G. Murdock.....	Big Rapids.....	358,446 00	2,888 85
Railway Passengers'.....	Hartford.....	June 12, 1886.	Walter P. Beach.....	Detroit.....	896,165 29	4,904 90
Aggregate.....					\$1,355,804 93	

# FIRST ANNUAL REPORT ON INSURANCE.

## TABLE No. 1—LIFE ASSETS.

*Summary Analysis and Classification of the various items composing the Gross Assets of Life Insurance Companies of other States, transacting business in this State, on the 31st day of December, 1869.*

INCORPORATED.	NAME AND LOCATION.	Real Estate.	Bonds and Mortgages.	United States, and other Stocks owned.	Loans on Stocks as collateral.	Cash on hand and in Bank.	Deferred and unpaid Premiums.	Premium Notes and Loans.	All other Assets.	Total Gross Assets.
1820	Etna, Hartford.....	\$15,837 00	\$2,245,597 47	\$2,466,855 08	\$428,521 77	\$646,688 82	\$707,088 97	\$6,426,639 80	\$806,874 80	\$18,287,458 21
1866	American Popular, N. Y. City.....	.....	.....	151,747 50	.....	19,198 01	114,649 08	8,606 82	19,545 06	808,945 89
1869	Amicable Mutual, N. Y. City.....	.....	8,087 50	106,000 00	.....	4,016 96	71,886 53	.....	19,682 57	204,178 55
1866	Anchor, Jersey City.....	.....	54,090 00	55,000 00	7,482 50	26,976 90	45,288 15	26,018 92	24,190 74	289,087 21
1868	Asbury, N. Y. City.....	.....	.....	154,895 00	.....	22,552 48	79,544 89	.....	47,859 68	304,851 50
1866	Atlantic Mutual, Albany.....	.....	2,900 00	286,000 00	10,000 00	25,699 83	180,759 99	181,580 97	10,948 89	597,794 18
1851	Berkshire, Pittsfield.....	180,000 00	398,426 58	856,915 00	5,500 00	29,728 68	91,858 58	189,576 40	92,009 91	1,844,005 10
1864	Brooklyn, Brooklyn.....	.....	447,412 75	184,587 50	8,000 00	74,985 67	144,578 95	464,745 54	88,258 81	1,887,799 22
1850	Charter Oak, Hartford.....	498,072 62	2,756,110 86	882,700 00	.....	26,887 47	588,958 82	2,908,254 75	99,115 00	7,308,568 52
1867	Cincinnati Mutual, Cincinnati.....	.....	71,798 00	58,780 00	.....	9,875 40	44,856 59	24,851 55	14,602 68	219,289 17
1868	Commonwealth, N. Y. City.....	.....	60,180 80	54,497 50	.....	21,747 98	72,906 23	16,664 89	24,588 40	249,820 89
1865	Connecticut General, Hartford.....	.....	110,806 27	225,845 00	65,447 27	80,100 57	85,885 51	72,991 89	1,941 80	543,497 81
1846	Connecticut Mutual, Hartford.....	168,798 99	10,165,882 16	4,620,500 00	185,565 00	899,715 52	441,850 65	11,294,140 57	481,076 07	27,506,479 20

1863	Continental, Hartford.....	16,000 00	256,574 00	30,150 00	36,027 00	367,180 00	772,741 98	18,976 86	1,497,651 42
1865	Continental, N. Y. City.....	294,750 00	308,460 98	115,250 00	74,178 41	1,885,927 56	1,165,001 66	50,828 88	8,500,102 80
1868	Craftsman's, N. Y. City.....	.....	218,980 00	.....	6,309 81	51,974 86	.....	12,000 86	294,164 58
1868	Eclectic, N. Y. City.....	5,190 00	114,875 00	.....	6,414 41	81,431 90	10,008 00	85,415 28	238,924 59
1866	Economical Mut., Providence.....	25,500 00	281,687 50	7,000 00	60,658 82	179,922 89	.....	81,465 88	586,235 69
1869	Empire Mutual, N. Y. City.....	.....	109,250 00	.....	20,781 94	115,916 08	42,368 75	3,888 07	292,194 79
1839	Equitable, N. Y. City.....	1,556,081 92	1,322,735 45	208,100 00	471,791 01	1,150,059 89	.....	45,048 72	10,510,824 42
1867	Excelsior, N. Y. City.....	17,010 56	123,528 90	16,700 00	4,305 99	67,290 24	97,687 87	25,178 77	351,694 88
1869	Farmers' and Mechanics', N. Y. City.....	.....	109,952 00	.....	8,158 44	41,891 14	.....	11,848 50	166,845 08
1860	Germania, N. Y. City.....	1,929,767 18	781,870 00	11,000 00	104,099 14	430,880 81	.....	17,198 81	8,224,464 89
1864	Globe Mutual, N. Y. City.....	627,268 15	919,086 64	56,550 00	216,921 09	369,920 14	10,567 00	50,748 50	2,251,057 12
1865	Great Western Mut., N. Y. City.....	.....	112,959 00	8,000 00	11,548 82	249,968 40	117,406 14	56,566 28	551,438 09
1859	Guardian Mutual, N. Y. City.....	.....	171,758 75	55,000 00	94,709 98	658,186 21	618,892 14	448,199 46	2,041,746 51
1865	Hahnemann, Cleveland.....	41,625 56	180,000 00	75,000 00	16,707 97	84,396 88	6,820 89	60,231 15	414,881 40
1866	Hartford Life and Annuity, Hartford.....	176,600 00	120,160 00	15,544 10	89,814 10	118,218 09	.....	38,609 42	508,845 71
1860	Home, Brooklyn.....	159,854 88	385,560 50	627,917 50	81,856 40	214,224 34	902,910 87	4,980 00	2,868,081 61
1866	Home Mutual, Cincinnati.....	108,444 00	8,100 00	.....	6,081 67	68,315 73	49,649 54	19,888 07	320,879 01
1867	International, Chicago.....	118,392 53	.....	1,500 00	2,546 85	16,297 14	4,916 68	14,818 28	152,800 90
1863	John Hancock Mutual, Boston.....	266,969 88	507,451 75	40,500 00	25,500 24	227,597 49	486,962 02	28,509 95	1,582,891 88
1863	Knickerbocker, N. Y. City.....	81,628 54	746,672 72	494,180 00	129,097 20	815,892 29	461,875 41	8,745,528 15	6,680,965 56
1850	Manhattan, N. Y. City.....	1,990,881 16	788,699 00	504,025 00	68,625 17	647,398 46	2,271,969 40	20,654 86	6,287,112 85

TABLE No. 1—LIFE ASSETS—CONTINUED.

INCORPORATED.	NAME AND LOCATION.	Real Estate.	Bonds and Mort- gages.	United States, and other Stocks owned.	Loans on Stocks as collateral.	Cash on hand and in Bank.	Deferred and un- paid Premiums.	Premium Notes and Loans.	All other Assets.	Total Gross Assets.
1851	Massachusetts Mutual, Spring- field.....	\$97,000 00	\$1,078,287 46	\$541,289 00	\$68,275 60	\$90,041 54	\$930,600 05	\$688,070 81	\$46,443 91	\$2,879,957 37
1865	Mutual, Chicago.....	40,800 00	84,192 00	81,279 00	-----	16,779 16	76,889 49	227,767 53	82,018 37	509,675 55
1842	Mutual, N. Y. City.....	958,717 40	27,505,990 74	5,757,879 75	-----	1,337,380 30	1,458,640 59	-----	17,609 88	87,579,168 61
1845	Mutual Benefit, Newark.....	140,609 79	6,088,182 89	5,896,029 07	-----	398,973 97	567,455 69	6,114,399 66	286,585 59	19,422,205 66
1868	National, N. Y. City.....	-----	-----	129,890 00	-----	20,073 60	280,987 91	265,229 78	47,584 95	748,215 24
1868	National of U. S. A., Wash- ington, D. C.....	-----	136,884 87	290,455 67	736,000 00	109,863 66	173,142 92	606 40	21,051 73	1,466,505 25
1885	New England Mutual, Boston.	600,000 00	1,062,700 00	8,185,194 54	243,400 00	197,583 38	939,883 57	2,288,260 07	233,875 86	8,690,397 42
1868	New Jersey Mutual, Newark.	-----	124,088 84	86,600 00	56,350 00	11,063 81	101,361 51	138,982 48	22,458 68	485,904 83
1841	New York, N. Y. City.....	1,545,587 17	4,582,295 00	4,239,894 00	-----	889,090 61	1,161,875 73	916,839 35	53,432 77	13,887,994 68
1862	North America, N. Y. City.....	-----	1,814,089 51	896,844 42	-----	180,296 67	1,224,580 49	984,500 49	288,777 48	4,794,079 01
1867	North-Western Mut., Milwan- kee.....	250,193 43	2,561,559 45	142,945 75	18,356 66	44,588 41	818,579 46	2,770,528 55	155,906 65	6,757,583 86
1861	Phoenix Mutual, Hartford.....	-----	1,144,943 67	508,196 00	8,500 00	294,667 97	479,361 04	2,477,482 08	84,973 79	4,997,973 50

1863	Security Life and Annuity, N. Y. City .....	18,500 00	818,700 00	17,100 00	56,304 70	562,521 48	1,373,231 08	33,044 81	2,377,452 02
1867	Standard, N. Y. City .....	.....	109,500 00	9,877 29	7,298 85	61,332 89	49,892 87	11,087 84	248,433 24
1867	St. Louis Mutual, St. Louis...	111,835 82	1,999,501 46	81,028 64	125,298 99	800,986 82	2,015,546 80	66,869 07	4,507,066 60
1869	Tentonia, Chicago .....	.....	104,959 44	750 00	9,983 56	8,607 35	3,974 04	11,221 62	189,496 08
1868	Travelers', Hartford .....	.....	223,496 28	.....	100,246 17	160,153 18	.....	18,486 21	1,880,390 54
1848	Union Mutual, Augusta .....	4,400 00	1,933,211 77	13,816 44	52,576 69	253,484 00	1,796,257 02	110,497 18	4,411,380 55
1868	United Security Life Ins. and Trust, Philadelphia .....	.....	84,012 50	15,000 00	3,830 63	20,615 43	4,998 63	3,967 26	153,579 55
1865	Universal, N. Y. City .....	.....	100,988 59	272,750 00	14,460 62	280,547 84	15,010 74	107,161 87	795,568 66
1860	Washington, N. Y. City .....	.....	590,760 71	766,420 00	7,200 00	280,362 28	2,800 00	24,188 80	2,009,717 88
1868	Western New York, Batavia .....	.....	115,952 55	16,357 00	.....	3,862 02	9,788 88	921 81	153,780 66
1866	World Mutual, N. Y. City .....	.....	.....	210,945 00	.....	13,515 64	28,498 12	10,838 90	858,446 00
1865	Railway Passengers', Hartford .....	.....	10,000 00	.....	86,892 54	.....	.....	14,441 00	393,165 29
Aggregate .....									\$215,409,613 56

TABLE No. 2—LIFE LIABILITIES.

Showing the nature of all Liabilities, including Capital, of Life Insurance Companies of other States transacting business in this State, on the 31st day of December, 1869.

INCORPORATED.	NAME AND LOCATION.	LOSSES.		Reinsurance Fund.	Scrip and other Dividends.	Dividends to Policy-Holders not applied.	A 11 other Claims except Capital.	Stock and Deposit Capital.	Total Liabilities.	Surplus.
		Adjusted and Unadjusted.	Resisted.							
1830	Etna, Hartford.....	\$804,188 24	.....	\$9,777,288 87	.....	.....	\$77,057 50	\$102,864 00	\$10,158,384 11	\$9,078,924 10
1866	American Popular, N. Y. City.	5,055 47	\$1,000 00	288,984 22	.....	.....	6,080 74	100,000 00	244,870 48	64,575 49
1860	Amicable Mutual, N. Y. City ..	1,000 00	.....	59,068 84	.....	.....	6,000 00	180,000 00	66,068 84	188,110 21
1866	Anchor, Jersey City.....	4,000 00	7,000 00	97,784 00	.....	.....	7,473 64	100,000 00	116,256 64	122,780 87
1868	Asbury, N. Y. City.....	6,817 41	.....	141,599 84	\$509 42	.....	5,424 88	150,000 00	154,351 50	150,000 00
1866	Atlantic Mutual, Albany.....	5,000 00	.....	457,441 00	.....	.....	1,587 78	110,000 00	464,028 78	188,765 40
1851	Berkshire, Pittsfield.....	21,144 00	.....	1,185,245 00	.....	\$3,610 86	.....	29,500 00	1,209,999 86	184,005 74
1864	Brooklyn, Brooklyn .....	11,500 00	5,000 00	1,174,599 00	1,100 00	.....	1,100 00	125,000 00	1,196,299 00	164,500 22
1850	Charter Oak, Hartford.....	147,900 00	.....	5,520,740 90	60,000 00	.....	.....	200,000 00	5,728,540 90	1,480,038 82
1867	Cincinnati Mutual, Cincinnati.	.....	.....	66,302 05	.....	.....	5,620 00	125,000 00	71,322 05	147,417 12
1866	Commonwealth, N. Y. City....	5,000 00	.....	109,885 11	.....	.....	40,409 88	120,000 00	154,704 99	95,025 40
1865	Connecticut General, Hartford.	5,000 00	.....	267,661 40	.....	.....	.....	251,000 00	273,661 40	269,886 41
1846	Connecticut Mutual, Hartford..	455,920 00	10,000 00	17,428,784 00	.....	.....	.....	.....	17,884,004 00	9,871,875 96

1862	Continental, Hartford.....	8,700 00	5,000 00	1,038,096 40	.....	.....	.....	120,000 00	1,042,896 40	455,255 02
1863	Continental, N. Y. City.....	44,000 00	.....	2,667,409 88	.....	214,811 00	.....	100,000 00	2,945,720 88	554,861 97
1868	Craftsman's, N. Y. City.....	.....	.....	20,277 28	.....	.....	.....	200,000 00	20,277 28	968,887 25
1868	Eclectic, N. Y. City.....	7,000 00	.....	102,739 74	.....	.....	1,084 74	150,000 00	110,818 68	142,510 71
1866	Economical Mutual, Providence	20,000 00	.....	417,189 14	.....	.....	1,638 64	100,000 00	488,847 78	279,512 18
1869	Empire Mutual, N. Y. City.....	4,500 00	.....	192,000 00	.....	.....	18,894 56	100,000 00	150,894 56	141,800 28
1859	Equitable, N. Y. City.....	225,000 00	10,000 00	9,250,000 00	.....	.....	60,000 00	100,000 00	9,345,000 00	965,824 42
1867	Excelsior, N. Y. City.....	.....	3,000 00	218,866 81	.....	4,606 82	5,906 56	125,000 00	227,380 19	124,254 64
1869	Farmers' and Mechanics', N. Y. City.....	.....	.....	48,795 87	.....	.....	.....	125,000 00	48,795 87	128,049 71
1860	Germania, N. Y. City.....	80,500 00	6,500 00	2,441,568 51	4,076 12	.....	12,080 77	200,000 00	2,544,715 40	679,749 49
1864	Globe Mutual, N. Y. City.....	57,844 50	2,000 00	1,869,967 66	.....	86,796 75	80,000 00	100,000 00	1,958,268 91	262,788 21
1865	Great Western Mutual, N. Y. City.....	10,500 00	5,000 00	890,879 41	.....	.....	538 33	115,000 00	896,962 74	154,475 85
1859	Guardian Mutual, N. Y. City...	25,000 00	10,000 00	1,633,589 00	.....	.....	.....	125,000 00	1,688,589 00	858,167 51
1865	Hahnemann, Cleveland.....	2,000 00	.....	245,846 81	.....	.....	.....	200,000 00	247,846 81	105,984 59
1866	Hartford Life and Annuity, Hartford.....	975 40	.....	177,311 59	.....	925 61	.....	800,000 00	179,212 60	824,688 11
1860	Home, Brooklyn.....	.....	20,000 00	1,875,000 00	29 00	97,614 29	.....	125,000 00	1,992,643 29	895,888 82
1866	Home Mutual, Cincinnati.....	8,500 00	95,885 59	.....	.....	.....	6,789 26	125,000 00	111,074 85	189,804 16
1867	International, Chicago.....	2,292 07	.....	50,778 87	.....	.....	.....	180,700 00	58,070 44	99,790 46
1862	John Hancock Mutual, Boston..	20,000 00	.....	1,082,197 06	825 50	38,812 13	.....	100,000 00	1,145,894 68	487,556 65
1858	Kulckerbocker, N. Y. City.....	148,100 00	2,089 00	5,171,882 47	716 63	.....	5,989 21	100,000 00	5,838,757 80	1,352,288 26
1850	Manhattan, N. Y. City.....	175,119 00	15,500 00	3,448,682 43	89,173 27	.....	.....	100,000 00	3,738,473 70	2,506,689 15



TABLE No. 2—LIFE LIABILITIES—CONTINUED.

INCORPORATED.	NAME AND LOCATION.	LOSSES.		Reinsurance Fund.	Corp. and other Dividends.	Dividends to Policy-Holders not applied.	All other Capital.	Stock and Deposit Capital.	Total Liabilities.	Surplus.
		Adjusted and Unadjusted.	Realized.							
1851	Massachusetts Mutual, Springfield.....	\$60,500 00	\$15,500 00	\$2,356,973 63	.....	\$160,798 84	.....	.....	\$2,568,771 97	\$286,185 40
1865	Mutual, Chicago.....	6,148 97	.....	488,496 89	.....	4,007 12	.....	\$108,000 00	448,652 43	66,023 06
1842	Mutual, N. Y. City.....	361,286 75	41,000 00	28,886,713 07	.....	.....	.....	.....	29,288,969 82	8,840,163 79
1845	Mutual Benefit, Newark.....	402,800 00	100,500 00	13,616,619 56	\$39,888 65	1,847,589 48	.....	.....	16,006,842 69	8,415,862 97
1868	National, N. Y. City.....	18,000 00	.....	511,004 64	988 15	10,758 00	\$13,000 00	150,000 00	533,700 79	189,514 45
1868	National of U. S. A., Washington, D. C.....	1,000 00	.....	516,391 00	.....	.....	50,000 00	1,000,000 00	567,391 00	899,214 25
1885	New England Mutual, Boston.....	40,000 00	10,000 00	7,407,866 23	.....	96,974 67	.....	.....	7,533,910 89	1,066,386 53
1868	New Jersey Mutual, Newark.....	1,388 83	.....	492,383 09	.....	2,247 00	.....	192,000 00	405,963 42	79,941 40
1841	New York, N. Y. City.....	288,500 00	.....	10,505,081 52	209,713 07	.....	143 83	.....	10,948,412 47	2,879,512 16
1862	North America, N. Y. City.....	198,200 00	.....	8,867,578 60	35 79	155,880 26	10,525 11	100,000 00	4,292,169 16	551,409 85
1867	North-Western Mutual, Milwaukee.....	44,224 13	5,000 00	5,335,512 21	.....	71,254 44	40,500 00	.....	5,696,990 78	1,061,541 58
1851	Phoenix Mutual, Hartford.....	118,900 00	.....	3,094,189 21	.....	.....	.....	16,000 00	3,218,089 21	1,764,964 29

1862 Security Life and Annuity, N. Y. City.....	49,000 00	.....	2,118,880 21	1,026 75	.....	988 84	110,000 00	2,169,840 80	208,811 72
1867 Standard, N. Y. City.....	.....	.....	119,287 00	.....	.....	4,200 00	125,000 00	123,487 00	134,946 24
1857 St. Louis Mutual, St. Louis....	106,100 00	15,000 00	8,748,644 76	.....	61,854 74	476,087 10	100,000 00	4,407,066 60	100,000 00
1869 Tentonia, Chicago.....	.....	.....	15,970 80	.....	.....	5,922 41	117,600 00	21,808 21	117,602 82
1868 Travelers', Hartford.....	48,790 00	30,000 00	498,246 92	.....	.....	143,486 64	500,000 00	720,488 16	609,906 88
1848 Union Mutual, Augusta.....	55,400 00	7,000 00	3,405,000 00	.....	.....	.....	.....	3,467,400 00	948,980 55
1868 United Security Life Ins. and Trust, Philadelphia.....	.....	.....	68,868 82	.....	.....	202 90	100,000 00	69,066 22	84,513 88
1866 Universal, N. Y. City.....	11,000 00	.....	564,264 92	.....	.....	.....	200,000 00	575,264 92	220,608 74
1860 Washington, N. Y. City.....	5,881 82	.....	1,760,429 85	455 00	.....	2,420 84	125,000 00	1,768,657 01	241,080 82
1868 Western New York, Batavia....	.....	.....	20,686 54	.....	.....	9,226 48	125,000 00	22,868 02	180,887 64
1866 World Mutual, N. Y. City.....	5,000 00	.....	226,206 88	.....	.....	1,195 84	200,000 00	232,492 22	125,933 78
1865 Railway Passengers', Hartford	24,000 00	25,000 00	15,000 00	25 00	.....	1,500 00	274,800 00	65,825 00	880,840 29

TABLE No. 3—LIFE INCOME.

Showing the nature of the Income of Life Insurance Companies of other States, transacting business in this State, on the 31st day of December, 1869.

INCORPORATED.	NAME AND LOCATION.	Cash Premiums.	Notes received for Premiums.	Interest on Bonds and Mortgages.	Interest and Dividends from all other sources.	Rents received.	Income from all other sources.	Total Income.	Excess of Income over Expenditures.
1820	Zetna, Hartford.....	\$2,951,081 94	\$2,270,144 82	\$128,505 54	\$644,976 49	.....	\$52,000 00	\$6,041,656 29	\$2,789,825 07
1866	American Popular, N. Y. City.	166,916 68	4,465 47	.....	10,906 89	\$8,005 00	.....	190,818 54	89,150 91
1869	Amicable Mutual, N. Y. City.	80,681 88	16,108 98	105 00	6,187 28	.....	12 16	92,994 65	1,188 76
1866	Anchor, Jersey City.....	88,286 06	.....	.....	8,888 75	.....	18,824 51	109,054 84	86,680 27
1868	Asbury, N. Y. City.....	119,698 78	22,977 19	.....	26,541 82	.....	188 08	169,205 92	60,115 88
1866	Atlantic Mutual, Albany.....	286,685 48	55,215 00	.....	19,117 48	.....	8,828 15	314,201 01	151,194 87
1851	Berkshire, Pittsfield.....	410,609 44	41,919 91	22,855 98	87,094 75	7,255 21	5,990 06	525,226 20	284,406 18
1864	Brooklyn, Brooklyn.....	666,595 95	.....	21,744 48	44,598 56	.....	.....	782,988 99	288,960 82
1860	Charter Oak, Hartford.....	2,188,005 88	1,564,189 15	181,775 42	150,506 04	.....	.....	4,084,465 84	1,990,920 84
1867	Cincinnati Mut., Cincinnati..	47,980 80	16,781 58	.....	7,171 86	.....	.....	71,988 24	87,279 64
1868	Commonwealth, N. Y. City...	67,157 67	19,118 48	.....	8,476 42	.....	2,086 06	92,868 56	29,188 48
1865	Connecticut General, Hartford	180,584 80	26,882 70	5,047 00	25,426 71	.....	.....	187,941 21	84,845 12
1846	Connecticut Mutual, Hartford	5,316,721 65	2,908,859 90	688,086 18	516,989 57	6,750 00	.....	8,978,751 25	4,515,984 51

1863	Continental, Hartford.....	894,424 73	890,002 50	.....	56,499 91	.....	10,297 67	850,824 80	486,628 87
1865	Continental, N. Y. City.....	803,413 21	681,057 40	12,718 48	67,078 92	94,149 99	11,741 80	1,549,153 80	872,848 99
1868	Craftsman's N. Y. City.....	156,062 54	.....	.....	15,904 82	.....	.....	171,966 86	68,026 68
1868	Eclectic, N. Y. City.....	100,280 50	10,008 00	850 00	12,184 88	.....	.....	122,728 88	40,838 71
1866	Economical Mut., Providence	808,252 00	.....	.....	17,880 64	.....	.....	825,062 54	166,946 89
1869	Empire Mutual, N. Y. City....	118,871 16	.....	5,021 92	.....	199 99	8,993 91	138,025 98	70,891 14
1859	Equitable, N. Y. City.....	5,769,294 77	.....	826,828 48	172,269 10	.....	.....	6,268,892 85	2,689,894 06
1867	Excelsior, N. Y. City.....	115,776 81	58,068 91	882 87	14,784 88	.....	11,748 91	201,292 88	81,981 94
1869	Farmers' and Mechanics, N. Y. City.....	65,908 84	.....	.....	5,299 78	.....	.....	71,208 12	41,845 08
1860	Germania, N. Y. City.....	1,298,705 92	.....	116,765 20	88,086 01	.....	19,121 01	1,467,678 14	674,054 77
1864	Globe Mutual, N. Y. City....	1,047,892 40	.....	80,890 44	66,881 90	.....	.....	1,145,144 74	586,541 85
1865	Great Western Mutual, N. Y. City.....	187,501 86	51,594 29	.....	14,480 74	387 00	156 17	204,000 16	72,838 68
1859	Guardian Mutual, N. Y. City..	766,475 59	509,885 17	.....	64,108 06	.....	.....	1,889,918 82	555,475 20
1865	Hahnemann, Cleveland.....	170,478 87	.....	1,817 88	15,456 61	.....	.....	167,258 88	42,942 26
1866	Hartford Life and Annuity, Hartford.....	121,578 59	.....	.....	28,182 94	.....	.....	144,711 58	67,904 18
1860	Home, Brooklyn.....	562,107 56	892,295 60	20,878 01	110,886 73	.....	.....	1,015,692 90	845,585 68
1866	Home Mutual, Cincinnati....	70,821 80	20,904 98	.....	2,928 87	450 00	9,978 28	105,077 88	29,600 88
1867	International, Chicago.....	81,690 94	4,474 70	6,796 76	.....	587 50	25 82	48,525 72	8,416 68
1863	John Hancock Mutual, Boston	588,077 42	157,707 60	18,145 87	65,215 62	.....	4,000 00	779,146 51	276,018 57
1858	Knickerbocker, N. Y. City....	4,599,944 73	.....	46,436 11	891,275 56	1,908 36	2,809 50	5,041,924 15	2,988,768 80
1850	Manhattan, N. Y. City.....	1,819,506 20	467,214 81	106,971 86	257,780 71	.....	178,594 08	2,880,067 16	1,281,558 94

TABLE No. 3—LIFE INCOME—CONTINUED.

INCORPORATED.	NAME AND LOCATION.	Cash Premiums.	Notes received for Premiums.	Interest on Bonds and Mortgages.	Interest and Dividends from all other sources.	Rents received.	Income from all other sources.	Total Income.	Excess of Income over expenditures.
1851	Massachusetts Mutual, Springfield.....	\$644,588 89	\$355,064 63	\$59,128 98	\$94,705 76	-----	\$4,455 21	\$1,159,983 47	\$387,932 80
1855	Mutual, Chicago.....	166,812 06	40,918 19	1,979 08	14,969 04	-----	286 80	226,250 69	81,164 89
1842	Mutual, N. Y. City.....	18,279,801 69	-----	1,638,738 25	501,101 61	\$66,500 00	-----	15,494,141 55	7,805,115 95
1845	Mutual Benefit, Newark.....	8,165,850 21	2,323,536 96	842,279 89	738,020 82	2,995 50	7,158 48	6,594,886 66	2,853,059 87
1868	National, N. Y. City.....	201,009 82	186,079 92	-----	17,563 80	1,500 00	88,928 73	390,079 07	186,662 15
1868	National of U. S. A., Washington, D. C.....	532,808 08	-----	5,059 84	49,110 88	-----	50,169 86	637,142 11	226,117 16
1885	New England Mutual, Boston	1,674,946 89	860,179 19	59,680 50	809,108 20	29,647 66	-----	2,938,557 44	821,856 21
1868	New Jersey Mutual, Newark.....	217,863 54	52,561 27	-----	13,176 29	-----	-----	288,600 10	46,660 67
1841	New York, N. Y. City.....	5,104,640 99	-----	289,298 57	487,988 43	-----	199,987 40	5,974,798 89	9,412,068 78
1869	North America, N. Y. City.....	1,321,268 16	840,820 88	49,125 29	146,119 87	-----	65,281 89	1,992,615 04	554,025 40
1867	North-Western Mutual, Mil.	1,802,125 50	1,226,180 47	145,943 81	164,840 88	-----	-----	3,338,968 61	1,879,492 64
1851	Phoenix Mutual, Hartford.....	1,182,925 78	988,535 58	119,192 52	140,999 84	-----	-----	2,431,578 29	1,271,980 92
1869	Security Life and Annuity, N. Y. City.....	604,040 71	654,795 69	-----	70,728 41	17,599 61	1,458 00	1,408,525 83	500,541 06

1867 Standard, N. Y. City.....	82,373 25	99,589 01	.....	11,900 10	.....	1,500 00	125,445 46	59,612 93
1867 St. Louis Mutual, St. Louis...	1,143,907 23	705,849 53	71,633 93	143,141 24	.....	.....	3,063,437 08	563,329 00
1869 Teutonia, Chicago.....	4,518 60	8,974 04	739 49	273 48	.....	183 00	9,633 61	3,135 31
1863 Travelers', Hartford.....	780,379 55	.....	12,435 00	57,806 49	3,033 33	12,831 71	844,836 07	162,373 53
1848 Union Mutual, Augusta.....	601,763 22	845,387 90	131,669 23	117,749 63	.....	1,311 29	1,707,831 26	753,951 61
1863 United Security Life Ins. and Trust, Philadelphia.....	53,929 97	3,433 77	4,300 00	8,170 71	.....	.....	60,764 45	14,872 02
1865 Universal, N. Y. City.....	316,569 20	.....	6,790 00	16,153 97	.....	8,744 99	343,263 46	111,570 03
1860 Washington, N. Y. City.....	1,127,101 57	.....	25,563 24	47,394 41	.....	8,945 68	1,206,998 90	433,233 20
1868 Western New York, Batavia..	19,339 93	714 76	3,763 14	1,915 58	.....	33 25	26,315 71	11,743 55
1866 World Mutual, N. Y. City.....	133,018 53	18,719 85	.....	14,749 16	.....	.....	136,437 54	33,917 70
1865 Railway Passengers', Hartford	197,390 74	.....	233 33	25,029 17	.....	.....	223,533 24	60,773 75

TABLE NO. 4—LIFE EXPENDITURES.

Summary Analysis and Classification of the various items composing the Gross Expenditures of Life Insurance Companies of other States, transacting business in this State, on the 31st day of December, 1869.

INCORPORATED.	NAME AND LOCATION.	Cash paid for Losses and Claims.	Premium Note Expenditures.	Dividends to Stockholders.	Dividends to Policy Holders.	Commissions.	Salaries of Officers, etc.	Medical Examiners' Fees.	National, State & Local Taxes.	All other Expenditures.	Total Expenditures.
1860	Aetna, Hartford.....	\$970,087 78	\$1,269,108 04	\$19,000 00	\$80,975 45	\$508,461 68	\$88,341 05	\$89,800 47	\$89,185 61	\$946,128 14	\$6,309,388 23
1866	American Popular, N. Y. City.....	80,100 00	.....	7,000 00	49,802 09	22,888 98	14,529 51	2,749 20	868 42	24,276 48	151,162 68
1869	Amicable Mut., N. Y. City.....	.....	68 00	.....	.....	12,804 28	10,855 77	8,867 60	2,498 84	23,271 40	51,860 89
1866	Anchor, Jersey City.....	6,088 18	.....	5,682 15	.....	19,456 16	12,922 52	4,085 48	1,507 85	28,587 28	78,274 07
1868	Asbury, N. Y. City.....	10,640 89	687 73	7,888 08	.....	37,488 27	30,855 06	5,180 99	2,751 12	88,743 96	109,180 09
1866	Atlantic Mutual, Albany..	59,344 86	5,940 88	8,049 88	4,485 54	45,424 87	7,450 04	6,918 38	8,198 08	38,441 14	168,096 64
1861	Berkshire, Pittsfield.....	69,881 42	57,913 04	2,100 00	48,458 23	41,128 95	10,510 15	8,210 88	2,878 89	54,789 47	290,820 03
1864	Brooklyn, Brooklyn.....	.....	80,000 00	28,750 00	98,480 50	75,898 81	16,491 80	8,392 67	10,822 66	116,907 28	444,088 17
1850	Charter Oak, Hartford.....	541,175 18	600,223 00	16,000 00	76,988 00	891,699 99	42,500 00	16,885 50	89,579 88	819,115 55	2,044,165 60
1867	Cincinnati Mut, Cincinnati	2,000 00	4,480 61	.....	1,028 18	9,409 40	6,125 84	1,976 91	770 50	8,918 06	84,653 60
1866	Commonwealth, N. Y. City	.....	2,449 04	.....	.....	19,868 45	18,949 56	8,315 00	1,854 54	18,288 56	68,310 15
1865	Connecticut General, Hartford.....	25,700 00	.....	17,500 00	9,088 82	30,047 80	10,000 00	2,067 64	8,562 45	15,104 48	102,996 09

1846	Connecticut Mut., Hartford	1,637,437 00	609,115 02	.....	1,528,281 94	669,089 14	86,446 14	22,068 00	140,084 04	184,925 46	4,468,266 74
1862	Continental, Hartford.....	97,102 19	52,177 09	12,000 00	.....	70,107 55	79,478 13	9,425 14	6,070 69	87,585 10	864,295 98
1865	Continental, N. Y. City...	164,565 85	96,507 64	32,000 00	11,502 11	169,453 95	49,853 60	25,556 14	7,772 88	125,764 64	676,804 81
1868	Craftsman's, N. Y. City...	2,000 00	.....	8,671 85	.....	81,306 69	18,466 19	6,499 98	8,800 00	48,195 94	108,940 18
1868	Eclectic, N. Y. City.....	4,678 50	.....	.....	208 19	86,714 92	12,350 04	5,187 00	1,421 58	21,729 44	82,184 62
1866	Economical Mut., Provid- ence.....	49,000 00	.....	14,000 00	804 68	34,508 96	9,551 34	7,480 18	6,060 77	87,299 72	159,385 65
1869	Empire Mut., N. Y. City...	851 68	.....	.....	.....	88,168 59	4,185 75	1,760 36	818 78	21,389 78	62,174 64
1859	Equitable, N. Y. City.....	1,185,128 67	.....	9,450 00	1,233,008 45	654,217 11	108,097 75	55,961 11	40,511 98	291,278 27	8,578,568 29
1867	Excelsior, N. Y. City.....	21,189 85	2,141 94	9,500 00	854 27	82,878 68	80,928 77	1,590 00	1,900 59	19,146 84	119,880 99
1869	Farmers' and Mechanics', N. Y. City.....	.....	.....	.....	.....	8,119 15	7,683 58	154 00	.....	18,401 81	29,358 04
1860	Germania, N. Y. City.....	296,106 05	.....	24,000 00	180,578 51	108,818 64	46,165 81	12,064 04	18,517 88	158,787 44	799,028 87
1864	Globe Mut., N. Y. City...	152,168 88	.....	9,385 00	69,555 71	164,408 54	59,386 90	15,537 10	9,543 84	127,693 97	608,008 89
1865	Great Western Mut., N. Y. City.....	22,330 68	6,250 98	8,050 00	.....	84,534 16	14,764 08	4,720 87	4,787 19	85,978 67	181,661 58
1859	Guardian Mut., N. Y. City	220,039 14	185,603 20	8,750 00	15,262 22	208,246 60	85,505 68	12,778 00	12,882 88	85,872 50	784,438 62
1865	Hahnemann, Cleveland...	85,000 00	.....	14,000 00	7,529 43	88,054 17	18,475 89	6,207 00	5,097 14	29,847 44	144,811 07
1866	Hartford Life and Annuity, Hartford.....	12,000 00	.....	.....	715 50	21,322 00	19,048 87	2,632 12	1,819 42	24,279 99	76,807 40
1860	Home, Brooklyn.....	184,246 87	249,995 65	15,093 00	26,371 42	88,162 85	81,782 50	6,945 68	5,787 98	61,542 84	670,077 87
1866	Home Mutual, Cincinnati.	19,352 70	15,577 62	.....	1,565 54	16,587 44	9,088 28	2,800 88	.....	10,800 09	75,417 50
1867	International, Chicago.....	4,852 81	147 69	.....	.....	7,084 67	14,684 62	623 00	785 80	7,081 50	85,109 09
1862	John Hancock Mut., Boston	141,197 86	114,792 02	6,979 00	62,205 88	80,928 91	16,174 00	6,921 50	1,669 77	70,865 00	508,132 94



TABLE No. 4—LIFE EXPENDITURES—CONTINUED.

INCORPORATED.	NAME AND LOCATION.	Cash paid for Losses and Claims.	Premium Note Expenditures.	Dividends to Stockholders.	Dividends to Policy Holders.	Commissions.	Salaries of Officers, &c.	Medical Examiners' Fees.	National, State & Local Taxes.	All other Expenditures.	Total Expenditures.
1883	Knickerbocker, N. Y. City	\$311,288 20	-----	\$20,000 00	\$468,419 68	\$568,751 71	\$42,889 85	\$31,968 65	\$29,080 50	\$118,871 81	\$2,108,155 85
1880	Manhattan, N. Y. City	417,414 63	\$60,366 88	65,000 00	215,856 83	169,868 71	56,044 79	14,000 00	14,808 10	86,164 80	1,093,513 93
1851	Massachusetts Mutual, Springfield	260,688 85	261,151 84	-----	48,888 94	108,178 25	61,298 76	10,637 13	8,688 78	83,468 68	822,011 17
1865	Mutual, Chicago	31,951 08	9,368 86	4,458 00	559 57	48,868 54	18,668 85	6,898 71	2,970 75	86,878 49	145,095 80
1842	Mutual, N. Y. City	2,082,192 88	-----	-----	8,691,178 79	1,068,846 85	170,948 17	84,946 83	109,305 54	988,691 59	8,186,025 60
1845	Mutual Benefit, Newark	1,153,324 60	1,504,061 67	-----	247,964 74	429,895 49	60,449 00	28,124 82	79,539 44	245,484 14	3,741,776 99
1868	National, N. Y. City	82,166 00	28,210 91	10,901 18	9,025 32	87,684 07	90,873 08	7,387 25	8,547 83	56,791 86	268,416 93
1868	National of U. S. A., Washington, D. C.	40,602 80	-----	-----	-----	150,568 66	42,168 96	34,958 50	8,069 88	144,670 19	411,024 95
1886	New England Mut., Boston	680,669 00	591,099 86	-----	280,519 68	427,860 58	88,000 00	15,000 00	15,600 00	117,553 31	2,112,901 88
1868	New Jersey Mut., Newark	75,537 56	8,106 59	5,727 67	14,269 43	88,147 66	19,253 73	8,240 00	8,180 00	79,471 60	286,389 43
1841	New York, N. Y. City	745,652 15	821,484 49	-----	908,788 90	608,311 71	98,917 17	49,311 11	29,090 68	814,355 00	3,586,711 61
1863	North America, N. Y. City	390,592 00	505,944 58	56,838 88	66,614 50	208,186 95	66,314 07	13,978 07	16,968 02	115,798 13	1,866,569 64
1857	North-Western Mut., Milwaukee	375,475 99	469,440 94	-----	38,800 67	375,999 41	62,345 18	32,868 49	33,786 94	84,460 31	1,466,095 97

1851	Phoenix Mut., Hartford....	885,504 27	154,675 11	960 00	184,678 35	257,370 69	45,739 30	28,738 79	29,948 59	127,006 90	1,159,592 30
1862	Security Life and Annuity, N. Y. City .....	178,848 22	806,871 98	15,800 00	11,266 58	906,290 89	45,888 96	21,590 09	11,890 64	111,587 00	907,888 09
1867	Standard, N. Y. City.....	18,466 18	611 61	-----	-----	25,194 66	8,812 79	4,947 44	1,482 79	18,997 76	79,888 18
1857	St. Louis Mut., St. Louis.	580,881 81	896,968 80	10,000 00	8,098 35	898,506 59	48,672 67	20,512 30	15,588 64	81,344 47	1,499,206 08
1869	Teutonia, Chicago.....	-----	-----	-----	-----	1,594 65	2,438 65	297 00	581 06	7,976 58	19,767 91
1863	Travelers', Hartford.....	271,171 21	-----	50,000 00	-----	143,002 28	96,772 51	6,066 66	12,188 76	128,866 07	702,512 49
1848	Union Mutual, Augusta...	179,526 40	125,808 75	-----	867,508 55	146,180 19	28,872 18	9,676 18	12,100 96	79,161 54	948,869 65
1868	United Security Life and Trust, Philadelphia....	-----	908 00	-----	-----	16,047 68	10,676 86	1,882 00	8,665 66	22,287 78	54,012 48
1865	Universal, N. Y. City.....	79,780 22	-----	16,497 86	-----	62,596 41	20,460 68	8,865 48	6,950 88	37,861 45	281,892 88
1860	Washington, N. Y. City...	168,421 55	-----	11,754 52	250,760 86	188,287 48	47,486 19	17,557 58	11,878 02	140,925 04	785,755 70
1868	Western New York, Bata- via.....	-----	-----	-----	-----	7,797 84	700 00	1,068 00	778 84	4,927 98	14,567 16
1866	World Mutual, N. Y. City.	81,904 20	3,789 64	-----	5,470 58	26,285 84	83,465 45	8,624 75	2,812 68	40,866 80	147,569 84
1865	Railway Passengers', Hart- ford.....	19,767 88	-----	15,215 00	-----	58,828 90	20,864 74	4,708 09	7,382 84	85,658 54	161,810 49



# SUMMARY OF CONTENTS.

---

	Page.
GENERAL REMARKS ON INSURANCE IN MICHIGAN.....	3-8
STOCK FIRE INSURANCE COMPANIES OF THIS STATE :	
Michigan State.....	8, 13-15, 38
Detroit Fire and Marine.....	8, 16-18, 38
State.....	8, 19-28, 38
Ætna Live Stock Fire and Tornado.....	8-9
COMPANIES CHARTERED BY THE LEGISLATIVE COUNCIL OF THE TERRITORY, AND LEGISLATURE OF MICHIGAN, NOT NOW DOING BUSINESS.....	9
MUTUAL FIRE COMPANIES :	
list of, organized under act of 1859, not now doing business..	10
abstract of reports of, now doing business.....	10
MUTUAL LIFE INSURANCE COMPANIES :	
Michigan Mutual.....	31-3
REGISTER OF STOCK FIRE INSURANCE COMPANIES AUTHORIZED TO DO BUSINESS IN MICHIGAN DURING THE YEAR 1870.....	37-40
FIRE INSURANCE COMPANIES OF OTHER STATES :	
Impairments of capital of.....	43
Attorneys of, Premium Receipts and Losses paid by, in this State .....	44-9
Summary analysis of assets of.....	50-5
"        "        liabilities of.....	56-61
"        "        income of.....	62-7
"        "        expenditures of.....	68-73
REGISTER OF LIFE INSURANCE COMPANIES AUTHORIZED TO DO BUSINESS IN MICHIGAN DURING THE YEAR 1870.....	77-9
LIFE INSURANCE COMPANIES OF OTHER STATES :	
Attorneys of, Assets of and Premiums received by, in this State .....	82-5
Summary analysis of the assets of.....	86-9
"        "        "        liabilities of.....	90-3
"        "        "        income of.....	94-7
"        "        "        expenditures of.....	98-101



ANNUAL REPORT  
OF THE  
BOARD OF STATE AUDITORS  
OF THE  
STATE OF MICHIGAN,  
FOR THE YEAR 1870.

---



---

BY AUTHORITY.

---

LANSING:  
W. S. GEORGE & CO., PRINTERS TO THE STATE.  
1870.



# REPORT.

---

OFFICE OF THE BOARD OF STATE AUDITORS, }  
*Lansing, December 1, A. D. 1870.* }

*To the Honorable the Legislature of the State of Michigan :*

In obedience to the requirements of law, the undersigned submit, respectfully, the following report, showing the proceedings of the Board of State Auditors for the fiscal year ending the 30th day of November, A. D. 1870.

O. L. SPAULDING,

*Secretary of State.*

E. O. GROSVENOR,

*State Treasurer.*

B. D. PRITCHARD,

*Com. of the Land Office.*

---

## ANNUAL SETTLEMENT WITH THE STATE TREASURER.

The Board of State Auditors, for the purpose of making an annual settlement with the State Treasurer, met at the office of the Secretary of State, on the 7th day of December, A. D. 1869.

Present: Hon. O. L. Spaulding, Secretary of State, Hon. Wm. Humphrey, Auditor General, and Hon. B. D. Pritchard, Commissioner of the State Land Office.

The Hon. E. O. Grosvenor, State Treasurer, having exhibited his account current with the State of Michigan, and the same having been compared by the Board with the books of the Auditor General, we find that during the fiscal year ending the



30th day of November, 1869, the State Treasurer has received into the treasury (including the sum of one million one hundred and thirty thousand two hundred and twenty-nine dollars and sixty-seven cents,—\$1,130,229 67,—being the balance on hand November 30th, 1868) the sum of three million two hundred and forty-six thousand eight hundred and thirteen dollars and seventy-four cents (\$3,246,813 74).. \$3,246,813 74 And that he has disbursed the sum of two million

four hundred and twelve thousand seven hundred and twenty-four dollars and two cents

(\$2,412,724 02) .....\$2,412,724 02

Showing a balance in the treasury of eight hundred and thirty-four thousand and eighty-nine and 72-100ths dollars (\$834,089 72), for which balance he exhibited duly accredited vouchers and certificates.

O. L. SPAULDING,

*Secretary of State.*

WM. HUMPHREY,

*Auditor General.*

B. D. PRITCHARD,

*Com. of State Land Office.*

In the matter of the Muskegon River Improvement.

*January 27, 1870.*

*Whereas*, On the 16th day of March, 1865, this Board awarded to F. B. Gilbert, trustee, and to the commissioner and engineer, for principal and interest to that date, the sum of \$11,726 10;

*And whereas*, Messrs. C. Davis, A. B. Watson, and J. D. Merrill, commissioners, and John Almy, engineer, have filed their accounts, duly certified, with this Board, viz:

The account of C. Davis.....	\$399 21
“ “ A. B. Watson.....	435 00
“ “ J. D. Merrill.....	340 00
“ “ John Almy.....	384 00

And it further appearing that the amounts of such accounts are satisfactory to the other parties interested in said award; therefore,

*Resolved*, That there be apportioned of said sum so awarded on the said 16th day of March, 1865, for principal and interest to that date, to C. Davis, the sum of \$523 58; to J. D. Merrill, the sum of \$445 65; to A. B. Watson, the sum of \$568 00; and to John Almy, the sum of \$503 84.

In the matter of the claim of A. B. Watson, and others, on account of the Muskegon River Improvement.

*October 26, 1870.*

It appearing to the Board that A. B. Watson had received from F. B. Gilbert, trustee, an order for seven hundred and forty-eight and 46-100ths dollars, to be paid in swamp land; that the estate of A. D. Rathbone had received a like order for five hundred dollars; and that Noyes L. Avery had received a like order for two thousand seven hundred and sixty-two dollars, which said sums were included in the amount of six thousand four hundred and ten and 46-100ths dollars, found by the Board of Auditors, December 15, 1864, to have been paid to said Gilbert;

And it further appearing that said Watson, and the said estate of the said A. D. Rathbone, have received no lands on the said orders, and that they remain unpaid, and that there is unpaid upon the order of said Avery the sum of one thousand one hundred and twenty-six and 20-100ths dollars; and it further appearing that said orders had been surrendered to the State,

It was awarded and adjudged by the Board that there was due as of the said 15th day of December, 1864, to the said A. B. Watson..... \$ 748 46  
To the estate of the said A. D. Rathbone..... 500 00  
To the said Noyes L. Avery..... 1,126 20

In the matter of settlement with the Supreme Court reporters.

*November 30, 1870.*

*Whereas*, By act 133, laws of 1869, it was referred to this Board to settle with the several reporters of the Supreme Court in respect to the 200 copies of the Reports required to be deposited with the Secretary of State; it is

*Resolved*, That the Auditor General is hereby authorized to credit the respective reporters with one-fifth of the cost price of the first edition of one thousand copies of each Report.

---

#### ADJUSTMENT OF ACCOUNTS.

The following is a statement of accounts current allowed by the Board, to each department of the State, for the year ending December 1st, 1870, to wit:

*Executive Department*

*vs.*

*The State of Michigan.*

*December 7th, 1869.*

Michigan Journal,

To pub. Governor's proclamation for Thanksgiving,      \$14 00

---

*January 5th, 1870.*

American M. U. Express Co.,

To telegrams from Oct. 6th, to Dec. 31st, 1869...      1 40

Advertiser and Tribune Co.,

To advertising Governor's fast-day proclamation,      14 70

“ “ proclamation.....      4 90

---

Amount carried forward.....      \$35 00

*Executive Department*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$35 00
Detroit Free Press,	
To pub. Thanksgiving proclamation 7 f. 4 w....	12 25
Richmond & Backus,	
To 1 letter press.....	15 00
Whitney Jones,	
To postoffice drawer.....	1 00

*April 6th, 1870.*

Whitney Jones,	
To postoffice drawer.....	1 00

*April 27th, 1870.*

Detroit Postoffice,	
To postage stamps.....	25 00

*May 25th, 1870.*

W. U. Telegraph Co.,	
To telegram forwarded to Detroit.....	5 77

*July 6th, 1870.*

Michigan Journal,	
To pub. Gov.'s proclamation 4 times, 5 squares...	6 00
W. S. George & Co.,	
To paper for blanks for Governor.....	6 00
printing 1 ream blanks for Governor.....	3 40
Amount carried forward.....	<u>\$110 42</u>

*Executive Department**vs.**The State of Michigan.*

Amount brought forward.....	\$110 42
W. S. George & Co.,	
To printing 1 ream blanks for Governor.....	5 40
"        2        "    Governor's proclamation....	6 80
paper for same.....	9 50
pub. Gov.'s proc., calling extra session, 7 f. 7 w	19 60
Whitney Jones,	
To drawer (P. O.).....	1 00
Detroit Free Press,	
To adv. Governor's proclamation 7 f. 10 w., 8 in.	22 05

*September 8th, 1870.*

Daily Post Co.,	
To advertising proclamation, 7 f. 8 in.....	22 05
Whitney Jones,	
To 2 sheets 2c stamps.....	4 00
1 sheet 3c stamps.....	3 00
W. A. Throop & Co.,	
To 6 reams lithographed letter heads (12 lb.)...	66 00
6        "                "        note heads (7 lb.).....	51 00

*October 5th, 1870.*

Whitney Jones,	
To P. O. drawer.....	1 00

*November 30th, 1870.*

H. P. Baldwin, Governor,	
To paid for telegrams.....	15 98
Amount carried forward.....	\$337 80

*Executive Department*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$337 80
W. S. George & Co.,	
To press. and trim. 4 reams "Thanksgiving"....	1 80
adv. Thanksgiving proc., 5 squares, 5 w.....	11 00
printing 4 reams same.....	13 60
Davis & Larned,	
To 1 lamp and shade for Governor's room.....	3 25
Detroit Postoffice,	
To 600 2c postage stamps.....	12 00
50 1c   "       ".....	50
433½ 3c   "       ".....	13 00
600 2c   "       ".....	12 00
Total .....	<u>\$404 95</u>



*Secretary of State*  
*vs.*  
*The State of Michigan.*

*January 5th, 1870.*

**W. S. George & Co.,**

To print. 2 reams blanks, form No. 1, 1869.....	11 00
“ 1 ream “ “ No. 2, 1869.....	5 50
“ large envelopes for Insurance Co.....	1 50
“ circulars, No. 2.....	5 50
“ small envelopes for Insurance Co.....	1 50
“ 7 reams patents.....	24 50
“ 2 “ blanks, No. 1, An'l State't Life	11 00
“ 2 “ cert. of val. of policies, etc....	7 00
“ 1 ream blanks, No. 2, App. State Life Ins.	5 50
“ 1 “ dates on circulars.....	3 50
“ 1 “ filing on cert. of valuation.....	3 50
“ 1 “ blank marriage returns.....	3 50
“ 1 “ Nos. for labels.....	1 50
“ 1 “ circulars, No. 2.....	5 50
“ 1 “ form No. 2, Life Insurance.....	5 50
“ 1 “ form No. 2, Fire Insurance.....	5 50
“ envelopes.....	1 50
“ 4 reams blanks, viz: Certified copy of renewals, and certificate of authority..	22 00
print. 1 ream blank, copy form 2.....	5 50
“ 1 “ “ original form 2.....	5 50
“ 1 cert. No. 1 Fire Insurance Co.....	5 50
“ 2 reams blanks, cert. copy No. 2.....	11 00
press. and trim. 7 rms. patents.....	3 50
“ “ 2 “ An'l Statem't Fire In. Co.	1 00
ruling 2 reams same 9 times.....	9 00

---

**Amount carried forward..... \$166 00**



*Secretary of State*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$166 00
W. S. George & Co.,	
press. and trim. 2 rms. App. Statem't Fire In. Co.	1 00
ruling 2 reams same 9 times.....	9 00
press. and trim. 1 ream circulars Fire Ins. Co.	50
press. and trim. 2 rms. schedule "A" and "B,"	
Fire Insurance Company.....	1 00
ruling 1 ream schedule "A" 11 times.....	5 50
" 1 " " "B" 4 ".....	2 00
press. and trim. 1 ream valuation of policies..	50
ruling 1 ream synopsis of marriage, twice....	1 00
press. and trim. 2 reams paper.....	1 00
ruling 2 rms. Life Ins. blanks 6 times.....	6 00
Samuel H. Row,	
To paid expenses to Ann Arbor and Detroit on	
business connected with insurance and report	
of the Secretary of State on deaths.....	14 15
To paid for 1 Dunglison's Medical Dictionary.	
preparing report on death.....	5 80
E. B. Millar & Co.,	
To 1 gallon oil.....	45
1 broom.....	55
1 gallon oil.....	45
1 brush.....	38
1 gallon oil.....	50
1 chimney.....	10
1 dozen wicks.....	20
1 broom.....	50
Davis and Larned,	
To 1 lamp trimmer.....	75
Amount carried forward.....	\$217 33

*Secretary of State*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$217 33
<b>American M. U. Express Co.,</b>	
To express charges from Oct. 6 to Dec. 29, 1869	7 50
telegrams.....	3 51
<b>J. Stannard Baker,</b>	
To 1 bottle mucilage.....	1 00
<b>Detroit Free Press,</b>	
To advertising proposals, 10 folios, 6 w.....	24 50
<b>Advertiser and Tribune Co.,</b>	
To pub. petitions Sec. of State, People's Ins. Co.	7 25
<b>Whitney Jones, P. M.,</b>	
To letter postage.....	2 56
paper.....	1 05
drawer.....	1 00
<b>State Treasurer,</b>	
To postage for office of Secretary of State.....	25 00
postage for office of Secretary of State.....	30 00
<b>George L. Pease,</b>	
To 2 reams yellow cover, 3 reams pink cover, and	
5 reams tea cover.....	80 00
½ doz. rubber holders, @ \$3 60.....	1 80
1 doz. balls twine, @ 2s.....	3 00
1 11-12 doz. balls twine, @ 2s.....	5 75
400 reams S. S. and C. Book, @ \$9 88.....	3,952 00

---

*January 27th, 1870.*

<b>T. B. Thrift,</b>	
To 1 pair bank shears.....	2 25
<b>W. S. George &amp; Co.,</b> .....	
To print. 1 ream circulars for Fire Ins. Co.....	5 40
Amount carried forward.....	<u>\$4,370 90</u>

*Secretary of State*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$4,370 90
W. S. George & Co.,	
To print. 1 ream circulars for Life Ins. Co.....	5 40
" 1 " list of counties .....	3 40
" 4 " blanks A, B, C, and D.....	13 60
2 reams medium paper for blanks B, C, and D.....	20 00
print. 4 rms. blanks, No. 1, circulars to Marine and Fire Ins. Agents.....	13 60
print. 1 rm. blanks, No. 1, Life Ins. Co.....	5 40
" 2 rms. blanks, No. 1, Life Insurance Co., cert. copy.....	10 80
press. and trim. 14 reams Life and Fire Ins. blanks, 45c.....	6 30
press. and trim. 4 rms. return of deaths.....	1 80
ruling 4 reams, A, B, C, and D, 3 times.....	5 40
pasting 14 contracts on pasteboard.....	1 50
Wm. A. Throop & Co.,	
To 8 reams 20 lb. folio.....	35 28

*February 23, 1870.*

S. R. Greene,	
To work, lumber, and trimmings for case.....	18 00
1 box.....	85
1 box.....	85
1 box 85c; 1 snow shovel, 35c.....	1 20
1 box.....	85
1 gate hinge, and fix. and hang. gate.....	50
W. S. George & Co.,	
To press. and trim. 2 reams Life Ins. blanks.....	90
" " " 1 ream Ins. circulars.....	45
Amount carried forward.....	\$4,516 98

*Secretary of State**vs.**The State of Michigan.*

Amount brought forward.....	4,516 98
<b>W. S. George &amp; Co.,</b>	
To binding 30 qrs. manuscript Session Laws of 1869, Russia ends and bands, \$1 75.....	52 50
press. and trim. 1 ream Fire Ins. blanks.....	45
bind. 60 Vols. Session Laws, Vols. 2 and 3, full leather.....	60 00
bind. 1 Vol. Laws, Local Acts (2 in 1).....	2 00
press. and trim. 4 reams blanks, 2 copy.....	1 80
print. 1 ream circulars.....	3 40
“ 9 rms. blanks, return of deaths.....	48 60
“ 1 ream “ No. 1, insurance, 1870..	3 40
“ 10 reams “ return of births.....	54 00
“ 4 “ “ No. 2 copy.....	21 60
<b>State Treasurer,</b>	
To postage for office of Secretary of State.....	50 00
<b>Wm. A. Throop &amp; Co.,</b>	
To 1 gross rubber bands.....	2 00
1 “ “ “ .....	1 75
2 “ “ “ .....	2 40
1 great gross rubber bands.....	2 40
2 reams crown.....	10 38
2 “ folio .....	12 34
1 ream P. O. paper.....	6 15
1 “ “ “ .....	7 92
<b>A. R. Thayer,</b>	
To 1 brush.....	30
½ lb. Prussian blue.....	35
1 box.....	10
4 gallons carbon oil.....	1 80
2 bunches wicks.....	50
1 lb. gum arabic.....	1 25
<b>Amount carried forward.....</b>	<b>\$4,864 37</b>

*Secretary of State*  
vs.  
*The State of Michigan.*

April 6th, 1870.

Amount brought forward.....	\$4,864 37
W. S. George & Co.,	
To print. 1 ream circulars.....	3 40
" 1 " blanks.....	3 40
" 6 reams circulars.....	20 40
" 1 ream circulars to county clerks.....	3 40
" 3,000 envelopes.....	4 50
" 4,000 ".....	6 00
1 ream blank certificates.....	3 40
3 rms. blank list of Foreign Ins. Co's.....	10 20
slips to paste in report.....	3 40
press. and trim. 9 rms. return of deaths.....	4 05
ruling 9 rms. return of deaths, 3 times.....	12 15
press. and trim. 10 rms. return of births.....	4 50
ruling 10 reams return of births, 3 times.....	13 50
press. and trim. 1 ream circulars, U. S. roads.....	45
" " 6 rms. circulars to supervisors.....	2 70
" " 1 rm. " to co. clerks.....	45
" " 1 " certificates.....	45
Wm. A Throop & Co.,	
To 3 M envelopes, @ \$5 98.....	17 94
½ M " @ \$5 97.....	2 98
½ M " @ \$2 55.....	1 28
½ M " @ \$4 05.....	2 02
5 reams flat letter, @ \$3 00.....	15 00
Pease & Smith,	
To 500 gilt seals, \$1 50.....	7 50
S. R. Greene,	
To 1 box, 80c.....	80
Amount carried forward.....	\$5,008 24

*Secretary of State*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$5,008 24
S. R. Greene,	
To 72 boxes, 80c.....	57 60
3 boxes, 80c.....	2 40
Dart & Davis,	
To 10 lbs. nails.....	60
10 lbs. ".....	60
10 lbs. ".....	60
2 papers tacks.....	25
10 lbs. nails.....	60
Grove and Whitney,	
To 1 dipper.....	30
10 lbs. nails.....	60
1 stove.....	16 00
7½ lbs. zinc, @ 18c.....	1 35
cartage.....	25
20 lbs. Russian pipe, @ 30c.....	6 00
labor.....	1 50
American M. U. Express Co.,	
To express charges from Jan. 3 to March 28, 1870,	4 85
telegrams.....	35
telegrams.....	65
State Treasurer,	
To postage for this office.....	50 00
Whitney Jones, P. M.,	
To letter postage.....	1 29
paper ".....	1 35
drawer.....	1 00
Amount carried forward.....	<hr/> \$5,156 58

*Secretary of State*  
*vs.*  
*The State of Michigan.*

*April 27, 1870.*

Amount brought forward .....	\$5,156 58
State Treasurer,	
To postage for office .....	40 00
S. R. Greene,	
To 1 box .....	75
8 boxes .....	6 00
1 book rest .....	50
C. C. Hine,	
To subscription to Insurance Monitor .....	3 00
Daily Post Co.,	
To Daily Post to the office of the Sec. of State from March 28th, 1870, to March 27th, 1871 ..	10 00
State Treasurer,	
To postage for office .....	25 00
W. S. George & Co.,	
To print. 1 ream circulars .....	3 40
" 1 " receipts for documents .....	5 40
" blanks for Life Ins. Co's, other States ..	6 80
" 1 ream blank certificates of filing .....	3 40
press. and trim. 1 rm. certificates of filing .....	45
" " 1 " blanks for Life Ins. Co's .....	45
ruling 1 ream blanks for Life Ins. Co's .....	45
663,752 ems comp. Reg. Report of Sec. of State ..	298 68
408 tokens press work on same .....	142 80
printing 8 reams covers for same .....	27 20

*May 25, 1870.*

S. R. Greene,	
To 1 box .....	85
2 boxes .....	1 70
Amount carried forward .....	\$5,733 21

*Secretary of State**vs.**The State of Michigan.*

Amount brought forward.....	\$5,733 21
Wm. A. Throop & Co.,	
To 3,000 Notarial wafers.....	13 50
1 glass inkstand.....	1 50
1 doz. hex. pencils.....	1 25
1 ream legal line.....	4 91
$\frac{3}{4}$ doz. boxes eyelets.....	3 33
W. S. George & Co.,	
To dry. and press. 59,500 sigs. Sec. of State	
Reports.....	26 77
stitching 3,500 pamphlets.....	8 75
folding same.....	29 75
cover. and trim. same.....	35 00
putting 1,200 same in wrappers for mailing..	5 00
State Treasurer,	
To postage for office.....	25 00
A. M. U. Express Co., and W. U. Telegraph Co.,	
To telegrams.....	77
".....	55
express.....	25
".....	25
<hr/>	
<i>July 6, 1870.</i>	
S. R. Greene,	
To 1 box.....	75
1 box.....	85
W. S. George & Co.,	
To print. 2 reams Notary coms.....	6 80
" labels.....	75
Amount carried forward.....	\$5,898 94



*Secretary of State**vs.**The State of Michigan.*

Amount brought forward.....	\$5,898 94
W. S. George & Co.,	
To print. 1 ream blank orders for blanks.....	5 40
" 2 reams lists of Justice of Peace.....	6 80
" 6 " return of births.....	32 40
" 5 " " of deaths.....	27 00
" and filing J. P. blanks.....	3 40
" 5 reams return of marriages.....	27 00
" 1 ream working blanks on deaths.....	13 50
" 1 " return of Christian names.....	3 40
" 1 " circulars to county clerks.....	3 40
press. and trim. 3 rms. Notary commissions..	90
" " 2 " Gov's proclamation...	90
" " 2 " blanks.....	90
" " 1 ream circulars to co. clerks	45
" " 1 " paper.....	45
ruling 2 rms. co. clerk's ret. of Not. Publics	
3 times.....	2 70
press. and trim. 6 rms. return of births.....	2 70
ruling 6 rms. return of births 6 times.....	16 20
folding and stitching same.....	3 00
press. and trim. 5 rms. return of deaths.....	2 25
ruling 5 rms. return of deaths 6 times.....	13 50
folding and stitching same.....	2 50
press. and trim. 5 rms. return of marriages...	2 25
ruling same 6 times.....	13 50
folding and stitching same.....	2 50
press. and trim. 1 rm. ret. of Christian names	45
ruling same twice.....	90
Amount carried forward .....	\$6,087 29

*Secretary of State**vs.**The State of Michigan.*

Amount brought forward .....	\$6,087	29
Whitney Jones, P. M.,		
To letter postage .....	1	32
paper postage .....	1	35
drawer .....	1	00
Wm. A Throop & Co.,		
To 15 reams medium, @ \$10 15 .....	152	25
1 doz. qrts. marking fluid .....	9	00
1 " " Arnold's fluid .....	5	95

*July 27, 1870.*

Wm. A. Throop & Co.,		
To $\frac{1}{2}$ M envelopes, @ \$3 15 .....	1	58
$\frac{1}{2}$ M envelopes, @ \$3 40 .....	1	70
$\frac{1}{2}$ M envelopes, @ \$3 00 .....	1	50
State Treasurer,		
To postage for this office .....	25	00
W. S. George & Co.,		
To print, 2,000 envelopes .....	3	00
Am. M. U. Express Co., and W. U. Telegraph Co.,		
To express charges .....	3	50
Telegrams from May 26th to July 13th, 1870.	3	90

*September 8, 1870.*

S. R. Greene.		
To 2 boxes .....	1	70
2 boxes .....	1	60
work and cord to repairing windows .....	1	75
Amount carried forward .....	\$6,303	39

*Secretary of State**vs.**The State of Michigan.*

Amount brought forward.....	\$6,303 39
W. E. Tunis,	
To 6 reams flat cap, @ \$4 50 .....	27 00
½ gross Eagle hex. pencils.....	6 00
6 doz. Eagle round pencils.....	2 82
2 inkstands.....	1 20
1 eyelet punch.....	3 00
1 ream letter paper.....	4 00
1,000 blotting pads.....	3 50
State Treasurer,	
To postage used for exchanges (State Library) ..	25 00
"   "   in office.....	35 00
"   "   "   " .....	30 00
W. S. George & Co.,	
To print. circulars to sheriffs.....	3 40
bind. 22 Qrs. manuscript bills, Legislature	
1869.....	22 00
bind. 77 Qrs. Record of Deaths, Russia ends	
and bands.....	134 75
bind. 33 Qrs. Record of Marriages, Russia	
ends and bands.....	57 75
bind. 28 Qrs. Record of Marriages, Russia	
ends and bands.....	49 00
paging same.....	5 50

*October 5, 1870.*

W. E. Tunis,	
To 16 reams flat cap.....	56 32
6   "   medium.....	47 52
3   "   " .....	30 45
Amount carried forward.....	\$6,847 60



*Secretary of State**vs.**The State of Michigan.*

Amount brought forward .....	\$7,456 09
W. S. George & Co.,	
To ruling 7 reams same, twice .....	6 30
press. and trim. 3 reams same, "D" .....	1 35
"        "    3    "        "    "Aa" .....	1 35
"        "    2    "        "    "Cc" .....	90
"        "    2    "        "    "E" .....	90
"        "    2    "        "    "F" .....	90
"        "    6    "        "    twice .....	5 40
"        "    6    "        "    once .....	2 70
binding 100 ins. reports (Morocco backs and bronze sides) .....	35 00
Whitney Jones, P. M.,	
To letter postage .....	5 27
paper postage .....	1 35
drawer .....	1 00

*(October 26, 1870.)*

W. S. George & Co.,	
To press. and trim. 2 rms. marriage blanks .....	90
"        "    2    "    birth        "    .....	90
ruling 4 rms. same, 3 times .....	5 40
press. and trim. 1 rm. Supt. of Poor reports .....	45
ruling 1 ream same, twice .....	90
binding 1 qr. Session Laws 1870, manuscript.	
Russia ends and bands .....	1 75
press. and trim. 1 ream insurance blanks .....	45
ruling 1 ream paper, twice .....	90
binding 5 qrs. record of practice. Russia back.	
cloth sides, 40c .....	2 00
Amount carried forward .....	\$7,532 16

*Secretary of State*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$7,532 16
W. S. George & Co.,	
To binding 40 Session Laws, full leather covers..	30 00
Dart & Davis,	
To 10 lbs. nails.....	60
W. S. George & Co.,	
To print. 1 rm. Supt. of Poor reports, 2 sides ...	5 40
“    450 notices, Jan. 1871, on envelopes...	3 40
“    3 rms. insurance blanks, 2 sides.....	16 20
“    3 “    blank labels for Pub. Documents	10 20

*November 30, 1870.*

W. E. Tunis.

To 2 reams legal cap, 14 lb., \$5 60.....	11 20
1 gold pen.....	2 25
2 reams 6 lb. note, \$3 00.....	6 00
½ M envelopes, \$7 50.....	3 75
½ M “ \$4 50.....	2 25
112 reams Dble. flat cap, 24 lb.....	752 64

H. P. Hitchcock.

To framing original letter from John Biddle, and draft of State seal.....	1 00
--	------

W. S. George & Co.,

To press. and trim. 2 rms. insurance statements,	90
“          “    1 rm. circulars.....	45
“          “    2 rms. form No. 2.....	90
“          “    1 rm. circulars, Pros. Att’y’s..	45
print. 1 rm. appointment of agents, 2 sides..	5 40
“    2 rms. form No. 2, Ins. Attorney for Michigan, 2 sides.....	10 80

Amount carried forward .....	\$8,395 95
------------------------------	------------

*Secretary of State**vs.**The State of Michigan.*

Amount brought forward .....	\$8,395 95
W. S. George & Co.,	
To print. 1 rm. circulars, No. 2, For. Life Ins. Co.	5 40
" 1 " " " " Fire " "	5 40
" 1 " " to Pros. Attorneys. . .	3 40
" 2 rms. canvassing blanks, State officers	6 80
" 1 rm. " " State Board	
of Education .....	3 40
print. 1 ream blanks, county name only .....	3 40
State Treasurer,	
To postage for Secretary of State .....	30 00
Am. M. U. Express Co., and W. U. Telegraph Co.,	
To exp. services from Oct. 2d to Nov. 30th, 1870,	3 55
telegrams " " " " " "	2 48
S. R. Greene,	
To 75 boxes for Secretary's office, 75c. ....	56 25
1 box " " " " .....	75
1 " " " " " " .....	75
Total .....	<u>\$8,517 53</u>

*Auditor General*  
*vs.*  
*The State of Michigan.*

*December 7, 1869.*

H. L. Paddack,

To cutting stencil brand for Aud. Gen'l's office... \$3 00

*January 5, 1870.*

W. S. George & Co.,

To $\frac{1}{2}$ rm. folio post, for deeds.....	3 50
2 rms. filing on Q. M. Gen'l's vouchers.....	7 00
print. 1 rm. blanks, No. 44.....	3 50
“ “ deeds, No. 34.....	5 50
“ “ blank redemptn. book.....	3 50
“ war bounty loan bonds.....	20 00
“ 2 rms. blanks, No. 37.....	11 00
“ 1 rm. “ “ 29.....	5 50
“ 1 “ “ certificates.....	3 50
“ 148 rms. “ No. 1.....	814 00
press. and trim. 1 rm. blanks, No. 46.....	50
ruling 1 rm. blanks, No. 46, once.....	50
press. and trim. 1 rm. blanks, No. 47.....	50
ruling 1 rm. blanks, No. 47, once.....	50
press. and trim. 15 rms. affidavits to be attached to Com'r's. annual returns.....	7 50
press. and trim. 1 rm. blanks, No. 44.....	50
ruling 1 rm. blanks, No. 44, three times.....	1 50
press. and trim. 1 rm. blanks, No. 31.....	50
“ “ “ abstract paper.....	50
ruling 1 rm. abstract paper 6 times.....	3 00

Amount carried forward..... \$895 50



*Auditor General**vs.**The State of Michigan.*

Amount brought forward .....	\$895 50
W. S. George & Co.,	
To press. and trim. 2 rms. paper .....	1 00
ruling 2 rms. paper 4 times .....	4 00
binding 28 qrs. rect. books (full Russia) .....	63 00
"     7     "     "     "     @ \$2.25.	15 75
"     20     " State tax lands     "     "	45 00
6 outside covers .....	10 00
binding 12 qrs. unpaid taxes, double cap (5 books), full leather, Russia corners, \$1.50,	18 00
paging 14 books .....	4 56
press. and trim. 1 rm. paper .....	50
ruling 1 rm. paper 4 times .....	2 00
press. and trim. 1 rm. blanks, No. 29 .....	50
ruling 1 rm. blanks, No. 29, once .....	50
press. and trim. 100 rms. blanks, No. 1 .....	50 00
ruling 100 rms. blanks, No. 1 .....	50 00
press. and trim. 80 rms. blanks, No. 2 .....	40 00
ruling 80 rms. blanks, No. 2, 4 times .....	160 00
press. and trim. 1 rm. certificates .....	50
"     "     250 rms. blanks, No. 58 .....	125 00
ruling 250 rms. blanks, No. 58, four times .....	500 00
press. and trim. 250 rms. blanks, No. 59 .....	125 00
ruling 250 rms. blanks, No. 59, four times .....	500 00
press. and trim. 250 rms. blanks, No. 60 .....	125 00
ruling 250 rms. blanks, No. 60, four times .....	500 00
Davis & Larned,	
To 6 No. 2 lamp chimneys, @ 15c .....	90
6     "     "     "     "     " .....	90
1 spittoon .....	35
Amount carried forward .....	\$3,237 96

*Auditor General**vs.**The State of Michigan.*

Amount brought forward .....	\$3,237 96
E. B. Millar & Co.,	
To 1 broom .....	50
1 coffee sack .....	35
1 box candles, @ 20c and 35c .....	7 00
T. B. Thrift,	
To 1 box stove .....	11 00
24 lbs. stove-pipe, @ 12½c .....	3 00
2 S. I. thimbles .....	30
work (for packing room) .....	45
Brisbin & Conely,	
To 1 gal. carbon oil .....	45
2 lbs. candles, @ 25c .....	50
1 large broom .....	50
1 broom .....	45
1 caddy of matches .....	1 75
4 lbs. castile soap, @ 35c .....	1 40
1 large broom .....	50
A. M. U. Ex. Co.,	
To express charges from Oct. 9th to Dec. 31st, 1869,	8 10
telegrams .....	65
G. Beamer,	
To cutting hole for stove-pipe, and putting in	
thimble .....	1 50
George L. Pease,	
To 32 rms. 13x16 flat cap, 12 lb., @ \$3.35 .....	107 20

*January 27, 1870.*

W. S. George & Co.,	
To print. 1 rm. blank book, purchase of State bids,	5 40
"    2 rms. deeds, No. 34 .....	10 80
Amount carried forward .....	\$3,399 76

*Auditor General**vs.**The State of Michigan.*

Amount brought forward.....	\$3,399 76
W. S. George & Co.,	
To print. 20 rms. blanks, No. 3.....	108 00
"    1 rm.    "    "    33.....	5 40
"    1    "    "    "    31.....	5 40
"    2 rms.  "    "    32.....	10 80
58 file boxes, @ 35c.....	20 30
print. 2 rms. note on letter-heading.....	6 80
press. and trim. 2 rms. blanks, No. 34.....	90
binding 1 tax-land book.....	1 50
binding 10 qrs. State tax-lands, D. D., Russisia ends and bands, @ \$1.75.....	17 50
paging same.....	80
cutting blotting pads.....	50
press. and trim. 3 rms. deeds, Nos. 32, 33, and 35, @ 45c.....	1 35
ruling 1 rm. paper.....	45
Wm. A. Throop & Co.,	
To 4 rms. 18 lb. linen legal, made to order, @ 9.00,	36 00
10 "    16 lb. folio.....	40 50
6 "    14 lb. legal.....	28 62
2 Lipman's eyelet machines.....	6 00
1 doz. boxes eyelets.....	3 00
"    "    "    .....	5 00
1 Beyntine eyelet machine.....	2 50
8 M Beyentine fasteners.....	20 00
1 doz. sponge cups.....	5 00
2 copying brushes.....	2 00
1 doz. Sillman's C. H. ink.....	5 00
2 lbs. rubber.....	2 30
4 steel ruling-pens.....	6 00
Amount carried forward.....	\$3,741 38

*Auditor General**vs.**The State of Michigan.*

Amount brought forward .....	\$3,741 38
Wm. A. Throop & Co.,	
4 doz. spools red tape .....	36 00
1 lb. sponge .....	3 00
1 24-inch ruler .....	2 00
1 700 page copying book .....	3 50
6 lbs. pink and white twine .....	9 00
6 " twine .....	3 00
15 lbs. hemp twine, large .....	6 00
1 doz. pen-holders .....	4 00
1-12 doz. " .....	42
1-6 doz. " .....	1 66

*February 23, 1870.*

Brisbin & Conely,	
To 2 lbs. best gum Arabic, @ \$1.00 .....	2 00
1 broom .....	50
S. R. Greene,	
To 2 days to fix. packing room .....	4 50
4 lights glass, @ 30c, \$1.20; set and fix door \$2.00 .....	3 20
repair. chair .....	75
" chairs in office .....	1 50
" chair .....	50
" stool .....	50
" chair and eyelet machine .....	75
51 boxes for blanks, @ 75c .....	38 25
repairs .....	35
Amount carried forward .....	\$3,862 76

*Auditor General**vs.**The State of Michigan.*

Amount brought forward .....	\$3,862 76
W. S. George & Co.,	
To press. and trim. 1 rm. paper .....	45
ruling 1 rm. paper 4 times .....	1 80
binding 7 qrs. State bids, full Russia .....	14 00
paging same .....	56
press. and trim. 20 rms. blanks, No. 3 .....	9 00
ruling 20 rms. blanks, No. 3, four times .....	36 00
ruling 1 rm. blanks, No. 41, three times .....	1 35
press. and trim. 1 rm. blanks, No. 41 .....	45
"        "        "        "        "        40 .....	45
ruling same .....	45
press. and trim. 1 rm. blanks, No. 51 .....	45
ruling 1 rm. blanks, No. 51, four times .....	1 80
press and trim. 2 rms. blanks, No. 34 .....	90
"        "        1 rm.        "        "        — .....	45
"        "        2 rms.        "        "        31 .....	90
outside linen cover, and lettering State bids purchased, "F." .....	2 00
print. 1 rm. blanks, No. 41 .....	3 40
"        1        "        "        "        51 .....	3 40
"        2        "        "        "        34 .....	10 80
"        1        "        "        "        40 .....	3 40
"        4        "        "        "        10 .....	13 60
"        8        "        "        "        11 .....	27 20
"        50        "        "        "        2 .....	220 00
"        1        "        "        "        "N" .....	3 40
"        rules .....	3 40
"        2 rms. blanks, No. 63 .....	6 80
"        2        "        "        "        31 .....	6 80
"        1 rm.        "        returns for Detroit .....	5 40
Amount carried forward .....	\$4,241 37

*Auditor General*

vs

*The State of Michigan.*

Amount brought forward .....	\$4,241 37
W. S. George & Co.,	
To print. 2 rms. blanks, No. 12.....	6 80
" 4 " " " 13.....	13 60
" 6 " " " 14.....	20 40
585,376 cms compn. on report of Aud. Gen'l,	263 41
143 tokens press-work on same.....	50 05
print. 2 rms. covers for same.....	4 00
Wm. A. Throop & Co.,	
To 1 gross quill pens.....	6 00
½ doz. 10x12 rubber sheets.....	1 50
56 rms. 22 lb. crown.....	271 04
A. R. Thayer,	
To 1 cake soap.....	25

*April 6, 1870.*

B. F. Bush,	
To 1 map of Bay City.....	5 00
W. S. George & Co.,	
To print. 1 rm. blanks ret. for cities.....	5 40
" " " " II".....	3 40
" " " ret. of U. S. Land Office,	5 40
" " " " " ".....	5 40
" " " No. 40.....	3 40
" 4 rms. " " 6.....	13 60
" 2 " " " 44.....	6 80
" 1 rm. " book list of lands chd. back,	5 40
" 4 rms. " No. 4.....	13 60
" 4 " " " 5.....	13 60
" 10 rms. " " 65.....	54 00
Amount carried forward.....	\$5,013 42

*Auditor General**vs.**The State of Michigan.*

Amount brought forward .....	\$5,013 42
W. S. George & Co.,	
To press. and trim. 2 rms. blanks, No. 63.....	90
ruling 2 rms. blanks, No. 63.....	90
press. and trim. 4 rms. blanks, No. 10.....	1 80
ruling 4 rms. blanks, No. 10.....	1 80
press. and trim. 8 rms. blanks, No. 11.....	3 60
ruling 8 rms. blanks, No. 11.....	3 60
press. and trim. 1 rm. Detroit returns.....	45
ruling 1 rm. Detroit returns, 4 times.....	1 80
press. and trim. 1 rm. blanks, No. 64.....	45
ruling same, 4 times.....	1 80
press. and trim. 1 rm. paper.....	45
ruling same, 6 times.....	2 70
binding 12 qrs. money recd. on acct. of Land	
Office, full leather, Russia ends and bands,	
@ \$1.75 .....	21 00
paging same.....	96
press. and trim. 2 rms. blanks, No. 12.....	90
ruling 2 rms. blanks, No. 12.....	90
press. and trim. 4 rms. blanks, No. 13.....	1 80
ruling 4 rms. blanks, No. 13.....	1 80
press. and trim. 6 rms. blanks, No. 14.....	2 70
ruling 6 rms. blanks, No. 14.....	2 70
press. and trim. 1 rm. blanks, "H".....	45
press. and trim. 50 rms. blanks, No. 2.....	22 50
ruling 50 rms. blanks, No. 2, four times.....	90 00
press. and trim. 148 rms. blanks, No. 1.....	66 60
ruling 148 rms. blanks, No. 1.....	66 60
2 sheets pasteboard .....	50
press and trim. 1 rm. entries U. S. Land Office	45
Amount carried forward .....	\$5,313 53

*Auditor General**vs.**The State of Michigan.*

Amount brought forward .....	\$5,313 53
W. S. George & Co.,	
To ruling same, 4 times.....	1 80
press. and trim. 1 rm. blanks, No. 40.....	45
repairing 1 State bid book.....	2 50
ruling 1 rm. blanks, No. 40.....	45
pasteboard, and mounting 20 blanks, No. 40.	6 00
repairing 1 register.....	2 00
repairing 2 State tax lands .....	4 00
press. and trim. 2 rms. blanks, No. 44.....	90
ruling 2 rms. blanks, No. 44, three times....	2 70
6 bristol boards .....	1 00
press. and trim. 4 rms. blanks, No. 4.....	1 80
“ “ 4 “ “ “ 5.....	1 80
“ “ 4 “ “ “ 6.....	1 80
ruling 4 rms. blanks, No. 4.....	1 80
“ 4 “ “ “ 5.....	1 80
“ 4 “ “ “ 6.....	1 80
press. and trim. 10 rms. blanks, No. 65.....	4 50
ruling 10 rms. blanks. No. 65, four times....	18 00
press. and trim. 1 rm. paper.....	45
ruling 1 rm. land chd. to county, 6 times....	2 70
binding 8 qrs. same, Russia ends and bands,	
@ \$1.75 .....	14 00
paging same.....	64
ruling 1 rm. ledger paper, 6 times.....	2 70
binding 8 qrs. ledger auxiliary, Russia ends	
and bands, @ \$1.75.....	14 00
paging same.....	64
ruling 1 rm. journal, 6 times.....	2 70
binding 9 qrs. aux., Russia ends and bands,	
@ \$1.75 .....	14 00
Amount carried forward.....	\$5,420 46



*Auditor General**vs.**The State of Michigan*

Amount brought forward.....	\$5,420 46
W. S. George & Co.,	
To paging same.....	64
dry. and press. 6,500 signs., @ 4½c.....	2 93
folding 6,500 signs., @ 5c.....	3 25
stitching 500 pamphlets, @ 25c.....	1 25
cover. and trim. 500 pamphlets.....	5 00
Wm. A. Throop & Co.,	
To 20 rms. flat cap, @ \$3.65 .....	73 00
S. R. Greene,	
To sharpen. shears.....	25
repair. drawer and 2 knobs.....	25
1 lock for drawer.....	50
repair. chair.....	60
"        "        50c; other repairs, 25c.....	75
"        floor, "        "        15c.....	65
1 hook for crates.....	25
Dart & Davis,	
To putting up stove-wire and hooks.....	1 50
1 tin basin.....	16
10 lbs. nails.....	60
"        ".....	60
Grove & Whitney,	
To repair. furnace pipe.....	1 75
funnel and pipe.....	75
11 lbs. nails.....	66
1 dust-pan, 30c, 1 gimlet, 10c.....	40
1 scoop-shovel .....	1 50
6 papers tacks and nails.....	56
1 dipper, 30c, 1 scrub-brush, 30c .....	60
1 water tank in furnace.....	1 00
Amount carried forward .....	\$5,519 86

*Auditor General**vs.**The State of Michigan.*

Amount brought forward .....	\$5,519 86
Grove & Whitney,	
To 6 knobs, @ 8c .....	48
A. M. U. Ex. Co.,	
To exp. charges from Jan. 5 to March 28, 1870,	10 65

*April 27, 1870.*

S. R. Greene,	
To 1 box .....	50
3 boxes .....	2 00
repair. 1 chair .....	50
1 cover for safe .....	50
1 castor, and repair. chair .....	50
Daily Post Co.,	
To Daily Post for Aud. Gen'l's office (1 year)...	10 00
Wm. A Throop & Co.,	
To 4 rms. medium, @ \$8.97 .....	35 88
5 " foolscap, @ \$4.44 .....	22 20
5 " letter, @ \$3.70 .....	18 50
4 " note, @ \$3.50 .....	14 00
6 " " @ \$4.00 .....	24 00
1 rm. P. O. paper .....	4 00
12 lbs. flat letter, @ \$3.75 .....	37 50
48 rms. flat cap, @ \$3.10 .....	148 80
10 M envelopes, @ \$3.00 .....	30 00
5 " " @ \$3.67 .....	18 35
5 " " @ \$4.05 .....	20 25
5 " " @ \$5.98 .....	29 90
5½ " " @ \$3.60 .....	18 90
5 " " @ \$4.00 .....	20 00
Amount carried forward .....	\$5,987 27

*Auditor General**vs.**The State of Michigan.*

Amount brought forward.....	\$5,987 27
Wm. A. Throop & Co.,	
To print. 31 M envelopes, @ 50c.....	15 50
1 Clegg's 24-inch ruler.....	3 00
Wm. C. Packard,	
To hauling 1 load paper.....	37
"     2 loads   ".....	1 00
"     "     ".....	1 00
W. S. George & Co.,	
To print. 1 rm. blanks, No. 62.....	3 40
"   1   "     "     "   22.....	3 40
binding 12 vols. letters.....	12 00

*May 25, 1870.*

Brisbin & Conely,	
To 1 broom.....	40
47 gals. carbon, @ 33c.....	15 51
1 broom.....	40
S. R. Greene,	
To repair. stool.....	50
5 ledger rests.....	2 50
Frank Wells,	
To water-colors and brushes for plating.....	80
1 feather duster.....	3 50
Wm. A. Throop & Co.,	
To 24 rms. flat cap, @ \$4.67.....	112 08
17½ qrs. file paper, @ \$1.50.....	26 25
print. 4 rms. paper.....	13 60
50 rms. 22 lb. crown, @ \$4.84.....	242 00
Amount carried forward.....	\$6,444 48

*Auditor General**vs.**The State of Michigan.*

Amount brought forward .....	\$6,444 48
W. S. George & Co.,	
To binding 5 books, entire (U. S. lands).....	3 75
"        162 qrs. lands ret'd. for taxes.....	162 00
press. and trim. 1 rm. blanks, No. 62.....	45
binding 22 qrs. tax lands offered.....	22 00
ruling 2 rms. paper for roughs, 4 times.....	3 60
50 township plats.....	2 00
pasteboard, and pasting R. R. time table.....	1 00
1 portfolio.....	75
binding 8 qrs. asstd. rolls, $\frac{1}{2}$ bound, spring back,	4 00
paging same.....	64
press. and trim. 2 rms. abst. tax lands.....	90
ruling 2 rms. abst. tax lands, 4 times.....	3 60
folding and stitching 2 rms. abst. tax lands..	1 50
press. and trim. 1 rm. blanks, No. 53.....	45
ruling 1 rm. blanks, No. 53, four times.....	1 80
press. and trim. 2 rms. blanks, No. 54.....	90
ruling 2 rms. blanks, No. 54, four times.....	3 60
binding 37 qrs. lands advert'd.....	37 00
"        32 " Co. Treas. rects. ....	32 00
printing 2 rms. blanks absts. sale State tax	
lands .....	10 80
print. 2 rms. blanks, No. 54.....	6 80
"        1 rm.        "        "        53.....	3 40
A. M. U. Ex. Co.,	
To exp. charges from March 30 to May 21, 1870,	9 95
telegrams.....	77
Amount carried forward .....	\$6,758 14

*Auditor General*  
*vs.*  
*The State of Michigan.*

July 6, 1870.

Amount brought forward.....	\$6,758 14
Chas. Humphrey,	
To 2 qts. French ink.....	1 60
2 gross Gillott's pens, 303.....	2 80
Daniel W. Buck,	
To $\frac{3}{4}$ yd. 24-inch H. C., @ \$1.75.....	1 16
repairing cushion.....	75
S. R. Greene,	
To paid for mending key and fixing lock.....	55
1 paper case under table.....	7 00
repair. and cover on stool.....	60
1 Yale lock, \$1.50, putting on same, 50c.....	2 00
W. S. George & Co.,	
To print. 1 rm. blanks, No. 50.....	5 40
" 20 rms. " " 23.....	68 00
" 1 rm. " " "D".....	3 40
" 2 rms. " No. 22.....	6 80
" 48 " " " 1.....	259 20
" 3 " circulars to supervisors.....	10 20
" 1 rm. statements, rate of taxation.....	3 40
print. 1 rm. statement of amt. of tax ass'd....	3 40
" 1 " " " assessed valuation....	3 40
" 200 slips of newspapers.....	2 00
press. and trim. 1 rm. blanks, No. 50.....	45
ruling same.....	45
press. and trim. 1 rm. blanks, "D".....	45
cutting blotting pads.....	40
press. and trim. 6 rms. blanks.....	2 70
ruling 1 rm. rate of taxation.....	45
" " ass'd valuation.....	45
Amount carried forward.....	\$7,145 15

*Auditor General**vs.**The State of Michigan.*

Amount brought forward .....	\$7,145 15
W. S. George & Co.,	
To ruling 3 rms. circulars to supervisors.....	1 35
"    1 rm. statement of taxes, twice.....	90
press. and trim. 22 rms. blanks, Nos. 22 & 23,	5 50
ruling same, twice.....	9 90
A. Shattuck,	
To hauling 1 load blanks.....	25
"        "        paper .....	25
Wm. A. Throop & Co.,	
To 2½ rms. Demy.....	\$19 60
"        "        .....	18 12
1 rm. flat-cap.....	4 67
cutting paper to order .....	1 00
10 gross pens .....	7 50
5        "        "        .....	6 25
1 doz. erasers.....	9 00
¼        "        rubber holders.....	2 25
	<hr/>
	\$68 39
The above acct. of Wm. A. Throop allowed at	62 31
Wm. A. Throop & Co.,	
To 1 M white envelopes.....	5 50
"    orange        "        .....	4 50

*July 27, 1870.*

Brisbin & Conely,	
To 1 broom.....	50
1        "        .....	50
	<hr/>
Amount carried forward .....	\$7,236 61

*Auditor General*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$7,236 61
W. S. George & Co.,	
To print. 1 rm. blanks, "Q".....	3 40
" 8 rms. " salesbooks, 2 sides.....	43 20
" 42 " " No. 2.....	226 80
" 1 rm. " statement of ass't and cash valuation.....	3 40
print. 1 rm. blanks, "U".....	3 40
" 2 rms. " "V".....	6 80
press. and trim. 1 rm. blanks, "Q".....	45
" " " statement of valuation,	45
ruling 1 rm. statement of valuation, twice...	90
press. and trim. 1 rm. blanks, "U".....	45
A. M. U. Ex. Co.,	
To exp. charges from May 26 to July 30, 1870..	8 10
telegrams, 65c, \$3.41, \$3.05.....	7 11

*September 8, 1870.*

S. R. Greene,	
To 2 punching boards.....	25
work, cord, tape, etc., to repair 4 windows...	3 50
repair. 6 chairs and stools, and cover. 1.....	2 50
B. P. Richmond,	
To repair. calendar, and clean. 8-day clock.....	4 00
W. S. George & Co.,	
To print. 1 rm. circulars to reg. of deeds.....	3 40
" 1 " blanks to sup'ts.....	3 40
" 1 " " "A".....	3 40
" 1 " " No. 39.....	5 40
Amount carried forward .....	\$7,566 92

*Auditor General**vs.**The State of Michigan.*

Amount brought forward.....	\$7,566 92
W. S. George & Co.,	
To print. 4 rms. blanks, No. 16.....	13 60
"    1 blank book.....	5 40
"    1 rm. blanks, No. 56.....	5 40
"    1 "    "    "    37.....	5 40
"    1 blank salesbook.....	5 40
"    1 rm. blanks, No. 55.....	3 40
"    1 "    "    "    62.....	3 40
"    2 rms. "    "    39.....	10 80
press. and trim. 1 rm. blanks, "V".....	45
"    "    "    circulars to reg. of deeds,	45
"    "    48 rms. blanks, No. 1.....	21 60
ruling 48 rms. blanks, No. 1.....	21 60
press. and trim. 9 rms. salesbooks.....	4 05
ruling 9 rms. salesbooks, 4 times.....	16 20
binding 128 rms. salesbooks.....	96 00
paging same.....	13 84
press. and trim. 1 rm. blanks, No. 37.....	45
"    "    1 "    "    "    39.....	45
ruling 1 rm. blanks, No. 37, twice.....	90
"    1 "    "    "    39, four times.....	1 80
press. and trim. 4 rms. blanks, No. 16.....	1 80
"    "    1 rm. statistics.....	45
ruling 1 rm. statistics.....	5 00
folding and stitching 1 rm. statistics.....	50
dry. and press. 500 signs, acts relating to R. Ra.	22
folding 500 "    "    "    "    "	25
trim. 500 copies "    "    "    "    "	50
press. and trim. 1 rm. blanks, No. 56.....	45
1 portfolio.....	1 50
Amount carried forward.....	\$7,808 18



*Auditor General*  
*vs.*  
*The State of Michigan.*

October 5, 1870.

Amount brought forward .....	\$7,808 18
E. B. Millar & Co.,	
To 1 scrub-brush .....	40
1 broom .....	40
1 doz. lamp wicks .....	20
W. E. Tunis,	
To 6 rubber rulers .....	6 00
$\frac{1}{2}$ doz. punches .....	3 00
1 $\frac{1}{2}$ rms. letter paper .....	5 55
1 $\frac{1}{2}$ " note " .....	3 89
A. M. U. Ex. Co.,	
To exp. charges from Aug. 6 to Sept. 30, 1870 ..	35 20
W. S. George & Co.,	
To print. 4 rms. blanks, No. 16 .....	13 60
" 6 " " " .....	21 40
" 2 " circulars to supervisors .....	6 80
" 1 rm. blanks, val. real estate, etc. ....	5 40
" 1 " " No. 29 .....	5 40
" 2 rms. " " 30 .....	10 80
" 1 rm. warrant. amt. and rect. State Bd. of Agriculture .....	3 40
print. 1 rm. blanks, "B" .....	3 40
" 1 " " "J" .....	3 40
" 1 " statem't of taxes chd. back to Co. ....	3 40
" 1 " circulars for vouchers .....	3 40
press. and trim. 2 rms. blanks, No. 39 .....	90
ruling 2 rms. blanks, No. 39, four times .....	3 60
trim, 10 " " " 16, @ 20c .....	2 00
press. and trim. 1 rm. blanks, No. 55 .....	45
" " " " " 62 .....	45
Amount carried forward .....	\$7,950 62

*Auditor General**vs.**The State of Michigan.*

Amount brought forward.....	\$7,950 62
W. S. George & Co.,	
To press. and trim. 2 rms. blanks to supervisors.....	90
ruling 2 rms. blanks to sup'rs, twice .....	1 80
press. and trim. 42 rms. blanks, No. 2.....	18 90
ruling 42 rms. blanks, No. 2, four times.....	75 60
press. and trim. 1 rm. paper.....	45
ruling 1 rm. valuation, 6 times.....	2 70
binding 12 qrs. same, $\frac{1}{2}$ bound Demy.....	4 80
press. and trim. 2 rms. No. 30.....	90
"        "        1 rm. " 29.....	45
"        "        1 " warrants Ag'l Col'ge..	45
"        "        1 " blanks, "B".....	20
"        "        1 " " "J".....	20
ruling 1 rm. blanks, No. 29.....	45
"        2 rms. "        " 30.....	90
trim. 1 rm. abstract paper.....	20
ruling 1 rm. "        "        4 times.....	1 80
press. and trim. 1 rm. taxes ch'd to Co.....	45
ruling 1 rm. taxes ch'd to Co.....	45
press. and trim. 1 rm. circulars.....	45

*October 26, 1870.*

W. S. George & Co.,	
To press. and trim. 1 rm. notices Sault Canal closed.....	45
"        "        1 " paper.....	45
ruling 1 rm. State tax lands, 6 times.....	2 70
binding 8 qrs. same, full Russia, @ \$2.00.....	16 00
paging same.....	64
outside linen covers.....	2 00
Amount carried forward.....	\$8,084 91

*Auditor General**vs.**The State of Michigan.*

Amount brought forward .....	\$8,084 91
W. S. George & Co.,	
To press. and trim. 2 rms. blanks, No. 34 .....	90
"        "        1 rm.        "        "        66 .....	45
ruling 1 rm. same, 6 times .....	2 70
press. and trim. 1 rm. circulars .....	45
"        "        1 "        rate of taxation .....	45
ruling 1 rm. same .....	45
S. R. Greene,	
To work done in office A. G. ....	1 00
W. S. George & Co.,	
To print. 1 rm. Sault Canal closed .....	3 40
"        2 rms. form No. 34 .....	10 80
"        1 rm. county settlements, "66" .....	3 40
"        1 "        State tax lands, 2 sides .....	5 40
"        1 "        rate of taxation .....	3 40
"        1 "        notices to pub'rs of lands .....	3 40
"        4 rms. form No. 32 (tax deeds), 2 sides, .....	21 60
"        1 rm. change of time for closing Sault Canal .....	3 40
print. 1 rm. form "S" .....	3 40
Charles Humphrey,	
To 2 inkstands and sponge cup .....	2 50
Brisbin & Conely,	
To 1 caddy of matches .....	1 75
2 lbs. best select gum Arabic, @ \$1.00 .....	2 00

*November 30, 1870.*

Davis & Larned,	
To 3 bracket lamps, @ 90c .....	2 70
3 chimneys, @ 15c .....	45
Amount carried forward .....	\$8,158 91

*Auditor General**vs.**The State of Michigan.*

Amount brought forward .....	\$8,158 91
Davis & Larned,	
To 6 halo shades, @ 50c.....	3 00
1 lamp.....	6 00
J. S. Baker,	
To 2 Morgan's pat. fountain mucilage cups.....	1 30
Frank Wells,	
To 1 doz. brushes for mucilage.....	1 50
Brisbin & Conely,	
To 2 brushes for mucilage, @ 15c.....	30
W. E. Tunis,	
To 12 rms. folio post (58 lbs.), @ \$4.05.....	48 60
48 " flat-cap, 14x17, No. 56, @ \$4.67.....	224 16
W. S. George & Co.,	
To ruling 1 rm. roughs.....	45
press. and trim. 1 rm. blanks, "S".....	45
press. and trim. 4 rms. blanks, No. 32.....	180
" " 17 " " 3.....	7 65
ruling same 4 times.....	30 60
press. and trim. 1 rm. blanks, "O".....	45
" " 4 rms. " No. 31.....	1 80
" " 1 rm. " " 10.....	45
ruling 1 rm. blanks, No. 10.....	45
press. and trim. 8 rms. blanks, No. 11.....	3 60
ruling 8 rms. blanks, No. 11.....	3 60
press. and trim. 1 rm. blanks, No. 18.....	45
" " 1 " " 33.....	45
pasteboard for office.....	1 00
print. 17 rms. blanks, No. 3, both sides.....	91 80
" 1 rm. " " 0.....	3 40
" 1 " notices of money subject to order.....	3 40
Amount carried forward.....	\$8,595 57

*Auditor General**vs.**The State of Michigan.*

Amount brought forward .....	\$8,595 57
W. S. George & Co.,	
To print. 1 rm. blanks, No. 10.....	3 40
" 8 rms. " " 11.....	27 20
" 6 " " " 13.....	20 40
" 8 " " " 14.....	27 20
" 4 " " " 31.....	13 60
" 20 " " " 3, both sides.....	108 00
" 1 rm. drafts on treas. warrant book.....	3 40
" 2 rms. blanks, No. 33, both sides.....	10 80
print. 1 rm. blanks, No. 18.....	3 40
" 1 " drafts on treas. warrant book.....	3 40
A. M. U. Ex. Co., & W. U. Tel. Co.,	
To express services from Oct. 6, to Nov. 30, 1870	3 80
telegrams " " " "	1 36
S. R. Greene,	
To repair 1 chair, A. G.....	50
17 boxes for A. G., @ 65c.....	11 05
4 lamp-posts in office.....	1 00
1 light glass 50c., setting same, 40c.....	90
Davis & Larned,	
To 2 brackets, @ 75c.....	1 50
1 bracket.....	50
2 bracket lamps, @ 90c.....	1 80
3 chimneys, 15c.....	45
wicks.....	20
Total .....	<u>\$8,839 43</u>

*State Land Office .*  
*vs.*  
*The State of Michigan.*

*January 5, 1870.*

W. S. George & Co.,

To print. 1 rm. blank rec't book .....	\$5 50
"    1 " circulars to publishers .....	3 50
adv. sale of State lands, 4 f. 5 w. ....	8 40
print. 1 rm. blank desc'n of lands .....	5 50
"    2 rms. " certificates .....	7 00
"    blank book, statement of money rec'd ..	5 50
"    1 rm. blank applications .....	5 50
"    1 " proof of occupancy .....	5 50
press. and trim. 1 rm. desc'n of lands .....	50
ruling 1 rm. desc'n of lands, 4 times .....	2 00
press. and trim. 1 rm. receipts .....	50
"    "    1 " proof of settlement .....	50
"    "    1 " application for settlem't ..	50

J. Stanard Baker,

To 1 blank book (for field notes) .....	50
1 " " " .....	50

Detroit Free Press,

To adv't, notice Com'r Land Office, 4 f. 5 w. ....	8 40
--	------

Whitney Jones, P. M.,

To letter postage .....	2 09
paper " .....	1 10
drawer .....	1 00

State Treasurer,

To postage stamps for Land Office .....	30 00
---	-------

George L. Pease,

To 1 doz. Arnold's fluid .....	6 69
½ " inkstands .....	2 50

Amount carried forward .....	\$103 18
------------------------------	----------

*State Land Office*  
*vs.*  
*The State of Michigan.*

Amount brought forward .....	\$103 18
George L. Pease,	
To 1 gross pen-holders .....	1 50
1 doz. sponges .....	2 59
1 " rub'r holders .....	5 50
1 mucilage pot .....	2 00
1 bottle green ink .....	50

*January 27, 1870.*

George L. Pease,	
To 1 gross Faber's pencils .....	6 00
2 doz. red and blue pencils, @ \$1.00 .....	2 00
$\frac{1}{2}$ " iron paper weights, @ \$9.00 .....	4 50
1 glass paper weight .....	2 50
W. S. George & Co.,	
To print. 1 rm. circulars to county treas's .....	3 40
" 23 rms. rec'ts, 16 kinds .....	78 20
" 2 " blanks, desc'n of lands .....	6 80
press. and trim. 1 rm. paper .....	45
ruling 1 rm. paper, 8 times .....	3 60
binding 8 qrs. rec'ts, full bound, Russia ends and bands .....	8 00
paging same .....	64
index, separate .....	50
press. and trim. 6 rms. receipts .....	2 70
Wm. A. Throop & Co.,	
To 6 rms. flat cap .....	18 42
4 " " " .....	12 40
2 " 40 lb. royal .....	36 00

Amount carried forward .....	\$301 29
------------------------------	----------

*State Land Office**vs.**The State of Michigan.*

Amount brought forward.....	\$301 29
Monroe Commercial,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Traverse Bay Eagle,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Allegan Journal.	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Pontiac Gazette,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Muskegon Chronicle,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Isabella Co. Enterprise,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Jonesville Independent,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Mason Co. Record,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Mt. Clemens Monitor,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Clinton Republican,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Adrian Times,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
St. Clair Republican.	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Charlotte Republican,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Grand Traverse Herald,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Greenville Independent,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Amount carried forward .....	<hr/> \$427 29



*State Land Office**vs.**The State of Michigan.*

Amount brought forward.....	\$427 29
St. Joseph Republican,	
To pub. sale of State Swamp lands, 4 folios, 5 ins.,	8 40
De Grondwet Republican,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Hastings Banner,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Midland Independent,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Oceana Times,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Ingham Co. News,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Newaygo Republican,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Marquette Plaindealer,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Manistee Times,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Weekly Herald (Ottawa),	
To pub. sale of State swamp lands, 4 folios, 3 ins.,	5 60
Berrien Co. Record,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Jackson Citizen,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Iosco Co. Gazette,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Cass Co. Republican,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Huron Co. News,	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
Amount carried forward.....	\$550 49

*State Land Office*  
*vs.*  
*The State of Michigan.*

Amount brought forward .....	\$550 49
<b>Bay City Journal,</b>	
To pub. sale of State swamp lands, 4 folios, 5 ins..	8 40
<b>Ionia Sentinel,</b>	
To pub. sale of State swamp lands, 4 folios, 5 ins..	8 40
<b>Tuscola Co. Pioneer,</b>	
To pub. sale of State swamp lands, 4 folios, 5 ins..	8 40
<b>Marshall Statesman,</b>	
To pub. sale of State swamp lands, 4 folios, 5 ins..	8 40
<b>Gratiot Journal,</b>	
To pub. sale of State swamp lands, 4 folios, 5 ins..	8 40
<b>Weekly Clarion,</b>	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
<b>Grand Rapids Eagle,</b>	
To pub. sale of State swamp lands, 4 folios, 5 ins.,	8 40
"     "     forfeited State swamp lands.....	2 00
"     "     "     primary school lands....	10 00
"     "     "     Normal     "     "     ....	2 00
"     "     "     salt-spring lands.....	2 00
"     "     "     Asylum lands.....	1 45
"     "     "     University lands.....	1 45
<b>Muskegon Chronicle,</b>	
To pub. sale of forfeited primary school lands...	3 00
"     "     "     salt-spring lands.....	2 00
"     "     "     Asylum lands.....	1 30

*February 23, 1870.*

<b>A. R. Thayer,</b>	
To 2 chimneys.....	30
2     "     .....	30
Amount carried forward .....	\$635 09

*State Land Office*  
*vs.*  
*The State of Michigan.*

Amount brought forward .....	\$635 09
S. R. Greene,	
To 1 block under inkstand .....	30
1 $\frac{1}{4}$ days' work, \$3.00, 1 pr. butts, 25c, hook, 12c,	3 37
1 book-case .....	5 00
W. S. George & Co.,	
To press. and trim. 1 rm. desc'ns of land .....	45
ruling 1 rm. desc'ns of land, twice .....	90
press. and trim. 1 rm. cert. of taxes .....	45
ruling same, 3 times .....	1 35
press. and trim. 2 rms. Co. Treas's rects. ....	90
binding 9 qrs. field notes .....	9 00
paging same .....	75
binding 1 book of plats, Osceola Co. ....	2 00
dry. and press. 1,500 signs., @ 4 $\frac{1}{2}$ c .....	68
folding 1,500 signs., @ 5c .....	75
stitching 500 pamphlets .....	75
cover. and trim. 500 pamphlets .....	5 00
printing 2 rms. circulars relative to taxes, etc.,	10 80
" 2 " county treas's rects. ....	6 80
46,004 ems comp'n Land Office report .....	20 70
33 tokens press-work on same .....	11 55
print. 2 rms. covers for same .....	4 00
re-setting 44,976 ems comp'n on same .....	20 23
State Treasurer,	
To postage stamps for this office, viz :	
1 card 12c .....	\$12 00
2 " 6c .....	12 00
6 " 2c .....	12 00
1 " 1c .....	1 00
10 " 3c .....	30 00
	67 00
Amount carried forward .....	\$807 82

*State Land Office**vs.**The State of Michigan.*

Amount brought forward.....	\$807 82
Wm. A. Throop & Co.,	
To 4 rms. folio post, @ \$4.41 .....	17 64
The following accounts for advertising sale of State swamp lands were presented, duly certified to by E. H. Porter, Dep. Com'r, and allowed, viz :	
True Northerner, 4 folios, 5 ins.....	8 40
Wolverine Citizen, 4 folios, 5 ins.....	8 40
Livingston Republican, 4 folios, 5 ins.....	8 40
Mecosta Pioneer, 4 folios, 5 ins.....	8 40
Portage Lake Mining Gazette, 4 folios, 5 ins.	8 40
True Northerner,	
To pub. sale of forfeited State lands, 4 folios, 5 wks.	8 40

*April 6, 1870.*

W. S. George & Co.,	
To print. 1 rm. statement of funds, etc.....	3 40
" 1 " blanks, list of counties.....	3 40
" 500 township plats for books.....	10 00
" 1 rm. blanks, desc'n of lands.....	3 40
" 1 " blank book, desc'n of lands.....	5 40
press. and trim. 1 rm. paper.....	45
ruling same 6 times.....	2 70
binding 12 qrs., money recd. on acct. of Land Office; full leather, Russia ends and bands, @ \$1 75.....	21 00
paging same.....	96
press. and trim. statement of funds.....	45
ruling same, 3 times.....	1 35
press. and trim. 1 rm. list of counties.....	45
ruling same.....	45
Amount carried forward.....	\$929 27

*State Land Office**vs.**The State of Michigan.*

Amount brought forward .....	\$929 27
W. S. George & Co.,	
To ruling 5 rms. field note paper, 4 times .....	9 00
stitch. and trim. 5 rms. note paper .....	3 00
binding 9 vols. letters .....	9 00
press. and trim. 1 rm. paper .....	45
ruling 1 rm. "land sold," twice .....	90
Wm. A. Throop & Co.,	
To $\frac{1}{2}$ doz. Rogers' erasers, @ \$6 00 .....	3 00
3 gross Gillott's pens, @ \$1 50 .....	4 50
1 " Spencerian pens .....	1 50
2 " quill pens, @ 75c .....	1 50
1 " Faber's pencils .....	12 00
2 doz. ivory holders, @ 63c .....	1 26
1 M Boynton's fasteners .....	3 00
1 doz. rubber holders .....	12 00
5 yards English vellum, @ 80c .....	4 00
Grove & Whitney,	
To cleaning pipe, \$1 50, 1 pail, 30c .....	1 80
State Treasurer,	
To postage for this office .....	54 00
Whitney Jones, P. M.,	
To letter postage .....	2 13
paper " .....	1 10
drawer .....	1 00

*April 27, 1870.*

Calvert Lith. Co.,	
To lithographing 1,000 plats, bond paper, 14x17 .....	40 00
" 500 " " " " .....	20 00
" 1,000 " " " 9 $\frac{1}{2}$ x11 $\frac{1}{2}$ .....	30 00
Amount carried forward .....	\$1,144 41

*State Land Office*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$1,144 41
State Treasurer,	
To postage stamps for this office:	
12 cards 3c, \$36 00, 1 card 6c, \$6 00, 1 card.	
12c, \$12 00.....	54 00
Daily Post Co.,	
To Daily Post to State Land Office, from March	
28, 1870, to March 27, 1871, @ \$10.00.....	10 00
W. S. George & Co.,	
To print. 1 rm. blanks, cert. of purchase swamp	
lands .....	5 40
ruling 1 rm. paper, 4 times.....	1 80
binding 1 abstract book, Isabella county....	4 00
1 rm. paper for field notes.....	6 50
ruling 1 rm., 4 times.....	1 80
folding, stitching, and trimming 1 rm.....	75
binding 3 books of plats, for "Lapeer, Gratiot,	
and Eaton Counties".....	6 00
binding 3 books, Russia ends and bands, 24	
quires .....	24 00
paging same.....	1 92

*May 25, 1870.*

S. R. Greene,	
To repair. 3 chairs.....	1 00
repairs.....	25
Wm. A. Throop & Co.,	
To 6 rms. flat cap.....	28 02
2 " folio cap.....	8 88
2 gross Falcon pens .....	1 00
Amount carried forward.....	\$1,299 73

*State Land Office**vs.**The State of Michigan.*

Amount brought forward.....	\$1,299 73
W. S. George & Co.,	
To binding 12 qrs. plat books, full bound, Russia	
ends and bands.....	24 00
press. and trim. 1 rm. paper for same.....	45
ruling 1 rm paper for same, 4 times.....	1 80
outside linen cover.....	4 00
press. and trim. 1 rm. cert. of purchase swamp	
lands .....	45
binding 8 qrs. field notes, Livingston county	
(Russia) .....	8 00
paging same.....	64
binding 1 plat book, Livingston Co.....	2 00
“ 1 “ “ Osceola Co.....	2 50
ruling 1 rm. paper for ledger, 4 times.....	1 80
binding 10 qrs. swamp land ledger (extra),	
@ \$2.00.....	20 00
paging same.....	80
ruling 1 rm. paper, P. S. ledger, 4 times.....	1 80
binding 10 qrs. “ “ (extra), @ \$2.00,	20 00
paging same.....	80
print. 1 rm. small town plats.....	3 40
“ 1 “ circulars to Co. Treasurers.....	3 40
“ 3 rms. blanks, desc'n of lands.....	10 20

*July 6, 1870.*

S. R. Gaeene,

To work repair. window in office.....	3 50
1 cord, 30c, 1 key and padlock on drawer, 50c,	80

---

Amount carried forward ..... \$1,410 07

*State Land Office**vs.**The State of Michigan.*

Amount brought forward.....	\$1,410 07
W. S. George & Co.,	
To print. 2 rms. blanks, proof of non-settlement	6 80
" 2 " affidavits for same.....	6 80
press. and trim. 3 rms. description of lands..	1 35
ruling 3 rms. description of lands, 3 times...	4 05
" 2 " field note paper, 4 times.....	3 60
folding and stitching 2 rms. field note paper,	1 50
trimming 2 rms. field note paper.....	50
press. and trim. 2 rms. proof of non-settlem't	90
" " 2 " affi'ts of non-settlem't	90
binding 18 qrs. field notes, Russia ends and	
bands (Jackson Co.) .....	18 00
paging same.....	1 44
binding 1 plat book (Jackson Co.) .....	2 00
" 8 quires field notes, Russia ends and	
bands (Oceana Co.) .....	8 00
paging same.....	64
binding plat book, (Oceana Co.).....	2 00
State Treasurer,	
To postage for this office, viz :	
10 cards 3c.....	30 00
1 " 6c.....	6 00
1 " 12c.....	12 00
Whitney Jones, P. M.,	
To letter postage.....	1 51
paper " .....	1 20
drawer " .....	1 00
Wm. A. Throop & Co.,	
To 3 M lithographed envelopes, @ \$6 00.....	18 00
3 " " " @ \$9 00.....	27 00
Amount carried forward .....	\$1,565 26



*State Land Office**vs.**The State of Michigan.*

Amount brought forward .....	\$1,565 26
Wm. A. Throop & Co.,	
To 2 rms. note paper .....	7 00
2 gross rubber bands .....	2 40
2 gt. gross rubber bands .....	6 00
1 M envelopes .....	3 95

*July 27, 1870.*

Calvert Lith. Co.,	
To lithographing 1,000 plats, bond paper, 9x11..	30 00

*September 8, 1870.*

State Treasurer,	
To postage for this office, viz:	
1 card, 12c .....	12 00
2 cards, 6c .....	12 00
12 " 3c .....	36 00
1 card, 2c .....	2 00
postage for this office .....	36 00
W. S. George & Co.,	
To print. 1 rm. circulars .....	3 40
" 1 " " to publishers .....	3 40
" 250 envelopes .....	1 50
press. and trim. 1 rm. abs't of forfeited lands,	45
ruling 1 rm. abs't of forfeited lands, twice...	90
press. and trim. 1 rm. salesbook .....	45
ruling same, 4 times .....	1 80
binding 1 salesbook .....	1 00
Amount carried forward .....	\$1,725 51

*State Land Office**vs.**The State of Michigan.*

Amount brought forward .....	\$1,725 51
W. S. George & Co.,	
To binding 8 qrs. taxes returned .....	8 00
"    1 plat book, Montmorency and Alpena	
counties.....	2 00
ruling paper for same.....	90

*October 5, 1870.*

State Treasurer,	
To postage for this office.....	44 00
W. S. George & Co.,	
To print. 2 rms. certificates.....	6 80
dry. and press. 1,200 signs. Land Office laws,	5 40
folding 1,200 signs. Land Office laws .....	6 00
binding 260 copies " " " @ 25c..	65 00
binding 10 copies Land Office laws, full leather,	10 00
press. and trim. 1 rm. tax rec'ts (town).....	45
" " 1 " " (city).....	45
ruling 2 rms. tax rec'ts.....	90
trim. 2 rms. field note paper.....	40
ruling 2 rms. field note paper, 4 times.....	3 60
stitching and folding same.....	1 00
Whitney Jones, P. M.,	
To letter postage .....	1 72
paper " .....	1 20
drawer .....	1 00

*October 26, 1870.*

W. S. George & Co.,	
To binding 2 plat books, Oscoda and Alcona.....	4 00
ruling 1 rm. paper; 4 times.....	1 80
Amount carried forward .....	\$7,890 13

*State Land Office*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$1,890 13
W. S. George & Co.,	
To binding 12 qrs. record of field notes, Russia back and covers, cloth sides, and plats for index .....	6 00
paging same.....	1 00
binding 1 plat book, Cheboygan Co. ....	3 00
Dart & Davis,	
To putting up stoves.....	2 00
Wm. A. Throop, Agt.,	
To 25 rms. lithographed letter-heads, 12 lb. paper, $\frac{1}{2}$ sheets.....	2 75
25 rms. lithographed note-heads, 6 lb. paper, $\frac{1}{2}$ sheets.....	2 00
W. E. Tunis,	
To 1 rm. postoffice paper.....	3 50
1 M corn envelopes.....	2 15
1 doz. rubber penholders, ass't'd.....	4 00
4 gross Falcon pens, @ 50c.....	2 00
2 gross Spencerian pens, @ \$1 50.....	3 00
1 doz. quarts Arnold's fluid.....	5 95
Calvert Lith. Co.,	
To lith. 1,000 plats, on bond paper, 14x17.....	40 00
" 1,000 " " " 9x11.....	30 00

---

*November 30, 1870.*

State Treasurer,	
To postage for land office :	
10 cards, 3c.....	30 00
1 card, 12c.....	13 00
1 " 2c.....	2 00
2 cards, 6c.....	12 00
Amount carried forward .....	<u>\$2,053 48</u>

*State Land Office**vs.**The State of Michigan.*

Amount brought forward .....	\$2,052 48
W. E. Tunis,	
To 2 doz. Grove's carmine .....	10 00
W. S. George & Co.,	
To 75 file boxes, <i>at</i> 35c .....	26 25
press. and trim. affidavits of adjoining owners	45
printing 1 rm. affidavits .....	3 40
Lake Superior Miner,	
To advertising sale of State swamp lands, 4 folios,	
5 insertions .....	8 40
Menominee Herald,	
To advertising sale of State swamp lands, 4 folios,	
5 insertions .....	8 40
The following accounts for advertising sale of primary school lands were presented, duly certified to by E. H. Porter, Dep. Com., and allowed as follows, viz :	
St. Joseph Republican, 1 folio, 5 insertions .	2 10
Traverse Bay Eagle, 1 " 5 " .	2 10
Menominee Herald, 1 " 5 " .	2 10
Tuscola Co. Pioneer, 4 " 5 " .	8 40
Portage Lake Mining Gazette, 3 folios, 5 ins.,	6 30
Bay City Journal, 2 folios, 5 insertions...	4 20
Monroe Commercial, 2 " 5 " ..	4 20
Free Press, 2 " 5 " ..	4 20
Peninsular Courier, 2 " 5 " ..	4 20
Isabella Co. Enterprise, 4 folios, 5 insertions,	8 40
Cass Co. Republican, 2 " 5 " .	4 20
Mt. Clemens Monitor, 2 " 5 " .	4 20
Lake Superior Miner, 1 " 5 " .	2 10
Amount carried forward .....	\$2,166 08

*State Land Office**vs.**The State of Michigan.*

Amount brought forward .....		\$2,166 08
The following accounts for advertising sale of primary school, State swamp, University, salt-spring, Normal School, and Asylum lands, were presented, duly certified to by E. H. Porter, Dep. Com., and allowed as follows, viz:		
Clinton Co. Republican,		
To advertising primary school lands, 2 folios, 5 times.....		4 20
To advt. sale of State swamp lands, 1 folio, 5 times .....		2 10
Grand Traverse Herald,		
To advt. primary school land ....	\$2 10	
advt. State swamp land.....	2 10—2 f. 5 t.	4 20
De Grondwet.		
To advt. primary school lands....	8 40	
advt. State swamp land.....	1 00	
advt. University lands .....	1 00	
advt. salt-spring lands.....	2 10	
advt. Normal school lands....	2 20	
advt. Asylum lands.....	4 20—9 f. 5 t.	18 90
Grand Haven Herald,		
To advt. primary school lands....	8 40	
advt. State swamp lands.....	1 00	
advt. University lands .....	1 00	
advt. salt-spring lands.....	2 10	
advt. Normal school lands....	2 20	
advt. Asylum lands.....	4 20—9 f. 5 t.	18 90
Mecosta Co. Pioneer,		
To advt. primary school lands....	8 40	
advt. State swamp lands.....	2 10—5 f. 5 t.	10 50
Amount carried forward .....		\$2,224 88

*State Land Office**vs.**The State of Michigan.*

Amount brought forward.....		\$2,224	88
<b>Ingham Co. News,</b>			
To advt. primary school lands.....	\$6	30	
advt. State swamp lands.....	2	10—4 f. 5 t.	8 40
<b>Iosco Co. Gazette,</b>			
To advt. primary school lands.....	4	20	
advt. State swamp lands.....	2	10—3 f. 5 t.	6 30
<b>Newaygo Republican,</b>			
To advt. primary school lands.....	3	20	
advt. Asylum lands.....	1	00—2 f. 5 t.	4 20
<b>Montcalm Herald,</b>			
To advt. primary school lands.....	6	30	
advt. State swamp lands.....	2	10	
advt. Asylum lands.....	4	20—6 f. 5 t.	12 60
<b>Marshall Statesman,</b>			
To advt. primary school lands.....	8	40	
advt. State swamp lands.....	1	05	
advt. University lands.....	1	05—5 f. 5 t.	10 50
<b>Detroit Post,</b>			
To advt. primary school lands.....	4	20	
advt. State swamp lands.....	6	30	
advt. University lands.....	2	10—6 f. 5 t.	12 60
<b>Muskegon Chronicle,</b>			
To advt. primary school lands.....	2	10	
advt. State swamp lands.....	1	05	
advt. Asylum lands.....	1	05	
advt. salt-spring lands.....	2	10—3 f. 5 t.	6 30
<b>Hastings Banner,</b>			
To advt. primary school lands.....	12	60	
advt. State swamp lands.....	4	20—8 f. 5 t.	16 80
Amount carried forward.....		\$2,302	58

*State Land Office**vs.**The State of Michigan.*

Amount brought forward .....		\$2,302 58
Livingston Co. Republican,		
To advt. primary school lands.....	\$6 30	
advt. State swamp lands.....	2 10—4 f. 5 t.	8 40
St. Clair Republican,		
To advt. primary school lands ...	14 70	
advt. State swamp lands.....	6 30	
advt. Asylum lands.....	2 10	
advt. Normal school lands....	6 30—14 f. 5 t.	29 40
Saginaw Republican,		
To advt. primary school lands....	6 30	
advt. State swamp lands ....	2 10—4 f. 5 t.	8 40
Gratiot Journal,		
To advt. primary school lands ....	4 20	
advt. State swamp lands ....	2 10	
advt. Asylum lands,.....	4 20	
advt. salt-spring lands.....	4 20—7 f. 5 t.	14 70
Berrien Co. Record,		
To advt. primary school lands....	4 20	
advt. University lands.....	2 10—3 f. 5 t.	6 30
Pontiac Gazette,		
To advt. primary school lands....	3 00	
advt. University lands.....	2 00	
advt. State swamp lands.....	1 30—3 f. 5 t.	6 30
Huron Co. News,		
To advt. primary school lands....	4 20	
advt. State swamp lands.....	8 40—6 f. 5 t.	12 60
Midland Independent,		
To advt. primary school lands....	4 20	
advt. State swamp lands ....	2 10	
advt. salt spring lands.....	4 20—5 f. 5 t.	10 50
Amount carried forward .....		\$2,399 18

*State Land Office**vs.**The State of Michigan.*

Amount brought forward.....		\$2,399 18
Manistee Times,		
To advt. primary school lands.....	\$10 50	
advt. Ag'l College lands.....	2 10—6 f. 5 t.	12 60
Ionia Sentinel,		
To advt. Asylum lands.....	2 10	
advt. primary school lands.....	4 20	
advt. salt-spring lands .....	2 10	
advt. Normal school lands.....	2 10—5 f. 5 t.	10 50
Grand Rapids Eagle,		
To advt. primary school lands.....	6 30	
advt. State swamp lands.....	1 05	
advt. University lands.....	1 05	
advt. Asylum lands.....	1 05	
advt. salt-spring lands.....	2 10	
advt. Normal school lands.....	3 15—7 f. 5 t.	14 70
Total.....		<u><u>\$2,436 98</u></u>





*State Treasurer*  
*vs.*  
*The State of Michigan.*

*January 5, 1870.*

W. S. George & Co.,

To print 1 rm. cash book .....	\$5 50
"    2 rms. blanks money recd. on acct. of Land Office .....	11 00
print. 8 qrs. 40 lb. medium, for cash book .....	7 50
"    filing on bonds, Chicago & Mich. Lake Shore Railroad .....	3 50
print. 1 rm. memorandum on back of cash b'k, .....	3 50
"    1 " cash acct. (large) .....	3 50
"    1 " " " .....	3 50
paper for cash acct. blanks .....	3 50
print. endorsement on Mich. Lake Sh. bonds, .....	3 50
binding U. S. Statutes .....	1 50
press. and trim. 1 rm. paper .....	50
ruling 1 rm. "cash," 6 times .....	3 00
binding 7 qrs. " Russia, @ \$2.25 .....	15 75
paging same .....	50
press. and trim. 2 rms. cash acct. ....	1 00

Whitney Jones, P. M.,

To letter postage .....	48
paper " .....	1 05
drawer .....	1 00

State Treasurer,

To paid acct. of N. Y. Times, advt. interest due, .....	15 40
bill for check book .....	22 50
paying exchange and express charges on bonds and coupons paid in New York .....	10 00

---

Amount carried forward .....

\$117 68

*State Treasurer*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$117 68
State Treasurer,	
To paying acct. of Detroit Free Press, for advt. redemption of war-loan bonds.....	51 45

*January 27, 1870.*

W. S. George & Co.,	
To print. endorsements on Kalamazoo and South Haven R. R. bonds.....	3 40
print. 3,000 envelopes.....	4 50
State Treasurer,	
To postage for office.....	30 00
Wm. A. Throop & Co.,	
To amt. of bill of \$39.36, less item returned of \$5.50.....	33 86
½ M white linen lined envelopes, @ \$45.00...	22 50
675 " envelopes to order.....	6 08
New York Times,	
To 1 year's subscription to the daily N. Y. Times.	10 00
State Treasurer,	
To paid exchange \$195,862.50 bonds and coupons paid in New York, @ 1-10 %.....	195 86
express charges on \$195,562.50, bonds and coupons, paid in New York.....	1 00
exchange on \$33,740, bonds and coupons, paid in New York, @ 1-10 %.....	33 75
express on the same.....	50
" and exchange on \$36,430, bonds and coupons, paid in New York, @ 1-10 %....	37 43
Amount carried forward.....	\$548 01

*State Treasurer*  
*vs.*  
*The State of Michigan.*

*February 23, 1870.*

Amount brought forward.....	\$548 01
S. R. Greene,	
To repair. chair.....	50
"        ".....	50
W. S. George & Co.,	
To binding 4 vols. letters.....	4 00
press. and dry. 3,000 signs., @ 4½c.....	1 35
folding 3,000 signs, @ 5c.....	1 50
stitching 500 pamphlets.....	1 00
cover. and trim. 500 pamphlets.....	5 00
print. 100 comp'r notes, to paste in reports..	1 25
71,232 ems comp'n on report of State Treas.	32 05
66 tokens press-work on same.....	23 10
print. 2 rms. covers for same.....	4 00
State Treasurer,	
To exchange on bonds and coupons, paid in New	
York, \$19,805, @ 1-10 %.....	19 80
express charges on same.....	50
postage stamps used in his office.....	30 00
W. E. Tunis,	
To 1 gold ruling pen.....	8 00
Wm. A. Throop & Co.,	
To one sponge cup and sponge.....	1 00

*April 6, 1870.*

W. S. George & Co.,	
To press. and trim. 1 rm. paper.....	45
ruling same, 6 times.....	2 70
Amount carried forward.....	\$684 71

*State Treasurer**vs.**The State of Michigan.*

Amount brought forward.....	\$684 71
W. S. George & Co.,	
To binding 12 qrs. moneys received on account of Land Office, full leather, Russia ends and bands, @ \$1 75 .....	21 00
paging same.....	96
State Treasurer,	
To postage used in this office.....	40 00
Whitney Jones, P. M.,	
To letter postage.....	81
paper " .....	1 05
drawer " .....	1 00
State Treasurer,	
To exchange on \$4,595 00 of bonds and coupons paid in New York, @ 1-10 %.....	4 59
expressage on same.....	50
exchange on \$16,490 00 of bonds and coupons. paid in New York, @ 1-10 %.....	16 50
expressage on same.....	50

*April 27, 1870.*

S. R. Greene,	
To lumber and work in vault.....	3 75
Daily Post Co.,	
To Daily Post to State Treasurer, from March 28, 1870, to March 27, 1871.....	10 00
W. S. George & Co.,	
To print. 1 rm. labels for R. R. bonds.....	3 40
Amount carried forward.....	\$788 77

*State Treasurer*  
*vs.*  
*The State of Michigan.*

*May 25, 1870.*

Amount brought forward.....	\$788 77
S. R. Greene,	
To iron and work to fix lamp in vault.....	1 25
D. W. Buck,	
To 1 small step-ladder.....	2 00
State Treasurer,	
To postage.....	40 00
A. R. Thayer,	
To 1 lamp for vault.....	1 60
Wm. A. Throop & Co.,	
To 1 gross rubber bands.....	2 00
1 " " ".....	1 75
1 " " ".....	1 20
1 " " ".....	90
1 " " ".....	1 65
1 gt. gross rubber bands, small.....	3 00
2 lbs. diamond rubber, small.....	2 30
New York Times,	
To advt. interest due May 1st, 1870, on war bounty	
bonds, 7 lines, 6 times.....	8 40
exchange on bonds and coupons paid in New	
York, \$3,452 50, @ 1-10 %.....	3 45
express on same.....	50

*July 6, 1870.*

W. S. George & Co.,	
To paper for blank book, register of checks and	
drafts remitted.....	3 50
printing same (1 rm.).....	5 40
Amount carried forward.....	\$867 67

*State Treasurer*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$867 67
W. S. George & Co.,	
To press. and trim. 1 rm. paper.....	45
ruling same, 6 times.....	2 70
binding 7 qrs. register of checks, Russia ends	
and bands.....	7 00
paging same.....	56
cutting blotting pads.....	40
State Treasurer,	
To postage for use of office.....	40 00
Whitney Jones, P. M.,	
To letter postage.....	78
paper ".....	1 05
drawer ".....	1 00
E. O. Grosvenor,	
To expenses incurred in going to New York on	
business for the State.....	78 50
New York Times,	
To advt. the payment of int. due July 1st, 1870,	
8 lines, 6 times.....	9 60
C. J. Olin,	
To repairing clock, cleaning, oiling, etc.....	3 00
Wm. A. Throop & Co.,	
To 4 M envelopes.....	12 60
1 " ".....	4 05
print. 5 M, @ 50c.....	2 50

*July 27, 1870.*

C. J. Olin,	
To cleaning and oiling double lock on safe.....	6 00
Amount carried forward.....	<u>\$1,037 86</u>

*State Treasurer**vs.**The State of Michigan.*

Amount brought forward.....	\$1,037 86
W. S. George & Co.,	
To print 1 rm. blanks.....	3 40
paper for same.....	2 50
press. and trim. 1 rm. blanks.....	45

*August 5, 1870.*

## State Treasurer,

To paying exchange on \$97,917 52 bonds and coupons, paid in New York, @ 1-10 of 1 %	97 92
express charges on same.....	2 00
paying premium on gold for the payment of \$2,460 00, coupons of canal bonds due July 1, 1870.....	326 28
paying premiums on gold for the payment of \$5,550 00, coupons of renewal bonds due July 1, 1870.....	721 24

*September 8, 1870.*

## State Treasurer,

To postage for use in office.....	40 00
paid exchange on \$32,320 00, bonds and ac- crued interest, @ 1-10 %.....	32 32
express charges on bonds from Cleveland to Detroit.....	12 00
W. S. George & Co.,	
To print. 1 rm. circulars.....	3 40
paper for same.....	1 25
Amount carried forward .....	\$2,280 62



*State Treasurer*  
*vs.*  
*The State of Michigan.*

Amount brought forward .....	\$2,280 62
New York Times,	
To advertising request for proposals for the sur- render of bonds, 11 lines, 10 times .....	22 00

October 5, 1870.

W. E. Tunis,	
To 100 white envelopes .....	1 00
1 12-20 rms. P. O. paper .....	9 84
4 lbs. diamond rubber .....	4 60
8 2-3 qts. Arnold's ink .....	4 30
3 doz. Faber's round pencils, @ 50c .....	1 50
1 Morgan's mucillage .....	75
1 box eyelets .....	50
2 qts. French ink .....	3 00
1 2-foot ruler .....	1 50
State Treasurer,	
To postage for use in office .....	30 00
W. S. George & Co.,	
To print. 5 rms. check orders .....	17 00
paper for same .....	2 25
Whitney Jones, P. M.,	
To letter postage .....	1 05
paper " .....	1 05
drawer .....	1 00
State Treasurer,	
To express charges on coupons from New York,	50
exchange on bonds paid in New York, \$15,-	
468 58, @ 1-10 % .....	15 46
express charges on same .....	75
Amount carried forward .....	\$2,398 67

*State Treasurer**vs.**The State of Michigan.*

Amount brought forward .....	\$2,398 67
State Treasurer,	
To premium paid on \$60 00 gold for loan coupons,	10 72
"        "    \$30.00    "    canal    "	5 36
Wall Street Journal,	
To adv. notice soliciting proposals for surrender of any of the bonds of this State (5 weeks),	10 00

*October 26, 1870.*

State Treasurer,	
To exchange on \$800 of bonds and coupons, paid in New York, @ 1-10 %-----	80
express charges on same-----	50
C. J. Olin,	
To cleaning and oiling clock in Trea's office....	5 00

*November 30, 1870.*

State Treasurer,	
To postage stamps for use of Trea's office-----	30 00
New York Times,	
To advt. payment of interest due Nov. 1, 1870, 8 lines, 7 times....	11 20
Leonard, Shelden & Foster,	
To commission on purchasing \$9,000 of bonds, @ $\frac{1}{8}$ %-----	11 25
commission on purchasing \$1,000 of bonds, @ $\frac{1}{8}$ %-----	1 25
Amount carried forward .....	\$2,484 75

*State Treasurer**vs.**The State of Michigan.*

Amount brought forward.....	\$2,484 75
State Treasurer,	
To express charges paid on bonds and coupons from New York to Detroit.....	1 00
W. S. George & Co.,	
To press. and trim. 2 rms. ins. blanks .....	90
print. 1 rm. rets. "Land Office," both sides..	5 40
" 1 " schedule ins., both sides .....	5 40
" 1 " taxes recd. " .....	5 40
" 1 " daily cash balances, both sides ..	5 40
" 1 " life ins. blanks, both sides .....	5 40
paper for same.....	2 25
print. 1 rm. fire ins. blanks, both sides.....	5 40
paper for same.....	2 25
Detroit Free Press Co.,	
To advt. Treasurer's notice, 2 folios, 28 times, less 1 time overcharged.....	19 60
Total .....	<u><u>\$2,543 15</u></u>

*Attorney General*  
*vs.*  
*The State of Michigan.*

January 5, 1870.

W. S. George & Co.,

To printing case for Att'y Gen'l, First National Bank of Sturgis <i>vs.</i> Wm. M. Watkins.....	\$6 00
print. brief for Att'y Gen'l, Ender <i>vs.</i> The People .....	26 00

January 27, 1870.

Wm. A. Throop & Co.,

To 2 Beyntin fasteners.....	50
1 barometer mucilage stand.....	2 00
1 M envelopes.....	3 95
1 qt. Arnold's fluid.....	50
2 gross steel pens.....	2 00

April 6, 1870.

W. S. George & Co.,

To 406,768 cms. comp'n on report of Att'y Gen'l, @ 45c.....	183 04
112 tokens press-work on same, @ 35c.....	34 20
print. 1 rm. covers for same.....	3 40
print. brief for Att'y Gen'l in the case of L. W. Fisher <i>vs.</i> The People.....	7 00
dry. and press. 2,400 signatures, @ 4½c.....	1 08
folding same, @ 5c.....	1 20
stitching 300 pamphlets.....	75
cover and trim same.....	3 00

Amount carried forward.....	\$274 62
-----------------------------	----------

*Attorney General*  
*vs.*  
*The State of Michigan.*

*April 27, 1870.*

Amount brought forward .....	\$274 62
Wm. A Throop & Co.,	
To 2 rms. legal cap, @ \$4 91 .....	9 82
1 glass inkstand .....	2 50
1 doz. Faber's hexagon .....	1 00
1 box carmine .....	84
2 carmine pencils .....	50
2 pencil-sharpeners .....	50
1 Congress folder .....	1 25
1 M fasteners .....	3 00
2 doz. English bands .....	1 00
1 " rubber heads .....	60

*May 25, 1870.*

Dwight May,

To expenses to Detroit in Finden escheat case, in	
Wayne Co. Circuit Court, R. R. fare .....	6 80
hotel bill .....	3 50
express charges on report .....	1 00
" " " .....	35
" " on briefs .....	35
first week attendance on Sup. Court, R. R. fare,	6 80
other expenses .....	10 75
1 week attendance on Sup. Court, R. R. fare,	6 80
other expenses .....	11 25
expenses in Finden escheat case, R. R. fare ..	6 80
hotel .....	4 50
paid telegram from Pros. Att'y St. Clair Co.,	
in Johr case .....	1 20
Amount carried forward .....	\$355 73

*Attorney General*  
*vs.*  
*The State of Michigan.*

*July 6, 1870.*

Amount brought forward.....	\$355 73
W. S. George & Co.,	
To print. brief for Att'y Gen'l in case of the Co. of Houghton <i>vs.</i> The Com'r of State Land Office.....	6 00
print. brief for Att'y Gen'l, H. B. Hall <i>vs.</i> The People.....	8 00
print. brief for Att'y Gen'l, V. Doylen <i>vs.</i> The People.....	6 00
State Treasurer,	
To postage for use in this office.....	30 00
Wm. A. Throop & Co.,	
To 1 rm. note heads.....	7 00
1 eraser.....	75

*October 5, 1870.*

W. S. George & Co.,	
To print. brief for Att'y Gen'l, First National bank of Sturgis <i>vs.</i> Wm. M. Watkins, Sheriff, etc.....	15 00
print. brief for Att'y Gen'l, E. G. Parsons <i>vs.</i> The People.....	6 00

*October 26, 1870.*

Detroit Bar Library,	
To rent of library to Att'y Gen'l for one year...	10 00
fees of librarian to Jan 1, 1870.....	75
Amount carried forward.....	\$445 23

*Attorney General*  
*vs.*  
*The State of Michigan.*

*November 30, 1870.*

Amount brought forward .....	\$445 23
Dwight May, Att'y Gen'l,	
To paid express on paper from Throop & Co....	35
"      "      on briefs .....	25
"      "      "      .....	30
R. R. fare to Detroit and return, at Oct. term	
of Supreme Court .....	6 80
expense at hotel .....	10 00
paid express on package to Governor .....	25
Total .....	\$463 18

*Supt. of Public Instruction*  
*vs.*  
*The State of Michigan.*

*January 5, 1870.*

W. S. George & Co.,	
To ruling 1 rm. synopsis, twice.....	\$1 00
C. B. Stebbins,	
To $\frac{1}{2}$ rm. crown note paper.....	1 50
“ legal cap.....	3 63
“ foolscap.....	3 62
“ letter paper.....	3 13
1 No. 8 gold pen.....	4 50
paid express charges on reports, etc., ten items, from July 7 to Dec. 30, 1869.....	4 55
Advertiser and Tribune Co.,	
To adv. teachers' institute at Houghton.....	3 00
“ “ “ .....	3 00
Whitney Jones, P. M.,	
To letter postage.....	48
paper postage.....	1 22
drawer.....	1 00

*April 6, 1870.*

W. S. George & Co.,	
To print. 3 rms. teachers' institute circulars, spring series.....	10 20
print. 1 rm. teachers' institute circulars, spring series .....	3 40
print. list of Co. superintendents.....	3 40
“ 5 rms. certificates.....	17 00
Amount carried forward .....	\$64 63



*Supt. of Public Instruction*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$1,616 81
O. Hosford,	
To exp. in visiting Pinckney on official business,	11 00
"        "        Detroit        "        "	12 10
"        "        Saginaw City    "        "	6 90
"        "        Bay City      "        "	9 95
"        "        Niles          "        "	15 25
"        "        Ann Arbor,     "        "	8 50
State Treasurer,	
To postage for use in this office.....	40 00
S. R. Greene,	
To 56 boxes .....	43 00
W. S. George & Co.,	
To press. and trim. 7 rms. inspectors' reports....	3 15
ruling 7 rms. 3 times.....	9 45
press. and trim. 42 rms. director's reports....	18 90
ruling 28 rms., twice.....	25 20
dry. and press. 337,500 signs. (report of Supt.	
Pub. Inst.).....	151 87
folding same.....	168 75
print. 42 rms. blanks, directors' reports.....	226 80
"        4        "        covers for report of Supt. Pub.	
Inst.....	13 60
Pease & Smith,	
To 1 qt. marking ink.....	1 25
2 lbs. binders' cord.....	1 50
1 lb. binders' thread.....	3 00
<hr/>	
<i>July 6, 1870.</i>	
W. S. George & Co.,	
To print. "Educational Needs,".....	5 00
Amount carried forward.....	\$2,391 98

*Supt. of Public Instruction*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$2,391 98
Whitney Jones, P. M.,	
To letter postage.....	03
paper ".....	1 22
drawer.....	1 00

---

*September 8, 1870.*

S. R. Greene,	
To 2 boxes.....	1 50
W. S. George & Co.,	
To print. 2 rms. State teachers' institute blanks,	
autumn term.....	6 80
print. 1 rm. blanks.....	3 40
" 5 rms. " for institute.....	17 00
paper for printing same.....	1 40
print. 1 rm. blanks, institutes.....	3 40
" 5 rms. circulars.....	17 00
paper for same.....	5 25
binding 1 synopsis.....	2 00

---

*October 5, 1870.*

W. E. Tunis,	
To 1 ruler.....	1 25
1 inkstand and ink.....	1 40
1 roll of pins.....	10
1 doz. pencils.....	75
6 penholders.....	30
1 box pens.....	25

---

Amount carried forward..... \$2,456 03

*Supt. of Public Instruction**vs.**The State of Michigan.*

Amount brought forward.....	\$2,456 03
W. E. Tunis,	
To 1 pencil-sharpener.....	15
1 doz. rubber heads.....	60
2 doz. bands.....	70
1 paper-knife.....	75
1 M envelopes.....	4 00
4 rma. flat letter, @ \$4.80.....	19 20
W. S. George & Co.,	
To binding 1 teachers' certificate.....	50
Whitney Jones, P. M.,	
To letter postage.....	39
paper ".....	1 22
drawer.....	1 00

*October 26, 1870.*

W. S. George & Co.,	
To binding 94 vols. teachers' cert., @ 50c.....	47 00
Dart & Davis,	
To repair stove, new body and lining.....	9 25
6 papers tacks.....	48
lining stove.....	3 00
41 lbs. Russia pipe, @ 22c.....	9 02
1 Russia elbow.....	60
putting up stove.....	2 50
S. R. Greene,	
To 1 box.....	60
F. R. Stebbins,	
To 36 yds. carpet, @ \$1.62½c.....	58 35
34 " " lining, @ 5c.....	1 75
making " for office.....	2 66
Amount carried forward.....	\$2,619 74

*Supt. of Public Instruction**vs.**The State of Michigan.**November 30, 1870.*

Amount brought forward.....	\$2,619 74
W. E. Tunis,	
To 2 M amber envelopes, No. 5, @ \$3.50.....	7 00
Dan'l W. Buck,	
To 6 bent rim office chairs (cane seat), @ \$3.50..	21 00
T. E. Doughty,	
To 3 qt. bottles Arnold's fluid, @ 80c.....	2 40
1 letter book.....	2 75
1 brush.....	65
C. B. Stebbins, Dep. Supt. Pub. Inst.,	
To paid for twine for office.....	30
map of U. S. and world, for office.....	1 00
freight on carpet.....	75
express on reports and books, as follows, to wit:	
April 9, to Olivet.....	\$ 25
" 16, to Chicago.....	40
" " to Olivet.....	25
Sept. 9, to Charlotte.....	25
Nov. 5, from Allegan.....	30
" 5, " Charlotte.....	25
" 9, " Adrian.....	50
" 12, " Ann Arbor.....	25
" 17, " Monroe.....	50
" 11, " Saginaw.....	40
" 28, " ".....	40
	<hr/>
	3 75
Total.....	<hr/> <hr/> \$2,659 34



*State Library*  
*vs.*  
*The State of Michigan.*

*January 5, 1870.*

<b>E. B. Millar &amp; Co.,</b>	
To 2 brooms, @ 75c .....	\$1 50
2 bars soap .....	35
<b>Earl &amp; Fuller,</b>	
To 4 gals. kerosene oil, @ 45c .....	1 80
2 lamp chimneys .....	20
<b>A. M. U. Ex. Co.,</b>	
To express charges from Oct. 6 to Dec. 31, 1869,	19 99
<b>Whitney Jones, P. M.,</b>	
To paper postage .....	1 22
drawer .....	1 00

---

*February 23, 1870.*

<b>W. S. George &amp; Co.,</b>	
To bind. 1 vol. Ohio reports, full leather .....	1 50
“ 1 Byron, $\frac{1}{2}$ Russia .....	1 50
“ 8 magazines .....	10 00
“ 30 session laws, vols. 2 and 3, full leather,	30 00
repairing 4 books .....	1 00
<b>State Treasurer,</b>	
To postage for State Library .....	10 00

---

*April 6, 1870.*

<b>W. S. George &amp; Co.,</b>	
To bind. 3 books .....	3 75
“ 11 vols. Roll of Honor, @ \$1.50 .....	16 50
<b>Amount carried forward .....</b>	<b>\$100 31</b>

*State Library**vs.**The State of Michigan.*

Amount brought forward .....	\$100 31
W. S. George & Co.,	
To bind. 1 Law Register .....	1 50
" 1 " Polar Seas," .....	1 50
" 4 " Carlyle," etc. ....	4 00
" 5 " Kane," " Dickens," etc., @ \$1.25 ....	6 25
" 1 " Plutarch," .....	1 25
repairing 1 " Queen of England," .....	25
A. M. U. Ex. Co.,	
To exp. charges from Jan. 12 to March 28, 1870,	12 60
Whitney Jones, P. M.,	
To letter postage .....	38
paper " .....	1 22
drawer .....	1 60

*April 27, 1870.*

Daily Post Co.,	
To daily Post from March 28, 1870, to March 27,	
1871 .....	10 00

*May 25, 1870.*

A. M. U. Ex. Co.,	
To exp. charges from March 31 to May 24, 1870,	28 97

*July 6, 1870.*

W. S. George & Co.,	
To print. 2,000 envelopes .....	3 00
Amount carried forward .....	\$173 13

*State Library*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$172 13
<b>W. S. George &amp; Co.,</b>	
To bind. 2 vols. Free Press.....	5 00
" 2 " Tribune.....	5 00
" 3 " Post.....	6 00
<b>State Treasurer, .</b>	
To postage for use of office.....	10 00
<b>Whitney Jones, P. M.,</b>	
To paper postage.....	1 22
drawer.....	1 00
<b>Wm. A. Throop &amp; Co.,</b>	
To 1 doz. Arnold's ink.....	5 95
3 lbs. twine.....	2 25
3 " elm flax.....	1 35
6 " " " large.....	2 40
2 rms. file paper.....	26 00
½ M envelopes.....	3 00
½ " ".....	2 00
1 " ".....	4 05
1 " ".....	3 90
3 " ".....	12 00

*July 27, 1870.*

<b>W. S. George &amp; Co.,</b>	
To bind. 10 vols. magazines.....	12 50
" 3 " "Post," "Tribune," and "Free Press".....	7 50
<b>A. M. U. Ex. Co.,</b>	
To express charges from May 26 to July 30, 1870,.....	13 50
Amount carried forward.....	\$296 75



*State Library*  
*vs.*  
*The State of Michigan.*

*September 8, 1870.*

Amount brought forward.....	\$296 75
W. E. Tunis,	
To 1 qt. mucilage.....	1 50

*October 5, 1870.*

A. M. U. Ex. Co.,	
To exp. charges from Aug. 1 to Oct. 1, 1870....	10 75
W. S. George & Co.,	
To binding 5 copies Land Office Laws, full leather,	5 00
Whitney Jones, P. M.,	
To paper postage.....	1 22
drawer .....	1 00

*October 26, 1870.*

W. S. George & Co.,	
To binding 15 Session Laws, full leather covers.	
1870 .....	11 25

*November 30, 1870.*

W. S. George & Co.,	
To printing figures for book-cases, on thick pho-	
tograph board, 181 changes of form.....	18 10
register .....	2 50
A. M. U. Ex. Co.,	
To exp. services from Oct. 15 to Nov. 30, 1870..	8 80
S. R. Greene,	
To work and repairs State Library .....	2 50
Total .....	<u>\$359 37</u>

*Swamp Land State Road Commissioner**vs.**The State of Michigan.**January 27, 1870.*

State Treasurer,

To postage for S. L. S. R. Com'r's office for Jan'y,	\$6 00
revenue stamps for S. L. S. R. Com'r's office,	
for stamping certificates.....	12 00

*April 6, 1870.*

State Treasurer,

To postage.....	9 00
-----------------	------

*April 27, 1870.*

D. W. Buck,

To 2 office chairs.....	6 50
-------------------------	------

W. S. George &amp; Co.,

To print. 1 rm. acceptances by local com'rs.....	5 40
paper for same.....	2 25

*May 25, 1870.*

L. B. Curtis,

To hotel bill at Lansing, \$6.50; fare home, \$2.20,	8 70
expenses to Bay City and back.....	2 15
fare to Lansing .....	2 20
hotel bill at Lansing, \$9.00; fare to Saginaw, ♦	
\$2.20.....	11 20
fare to Lansing.....	2 20

---

Amount carried forward..... \$67 60

*Swamp Land State Road Commissioner**vs.**The State of Michigan.*

Amount brought forward .....	\$67 60
L. B. Curtis,	
To hotel bill at Lansing, \$4.50 ; fare home, \$2.20,	6 70
fare to Lansing .....	2 20
hotel bill at Lansing, \$6.00 ; fare home, \$2.20,	8 20
fare to Lansing .....	2 20
hotel bill at Lansing .....	3 00
expenses to Bay City and back .....	2 15
dinner and horse feed .....	1 00
hotel bill at Casson City, \$2.75 ; livery team	
2 days, \$8.00 .....	10 75
expenses to Midland and back .....	2 30
" to Vassar " \$2.15 ; livery 1	
day, \$4.00 .....	6 15
fare to Lansing .....	2 20
hotel bill at Lansing, \$5.50 ; fare to Saginaw,	
\$2.20 .....	7 70
expenses to Bay City and back .....	2 15
fare to Detroit .....	3 53
hotel bill at Detroit, \$6.00 ; fare to Glen Arbor,	
\$7.40 .....	13 40
horse hire to send for local com'r .....	5 00
hotel bill at Glen Arbor, \$4.00 ; dinner and	
horse feed, \$1.00 .....	5 00
hotel bill at Frankfort, \$2.50 ; dinner and	
horse feed, \$1.00 .....	3 50
horse hire 2 days, \$5.00 ; paid boatman from	
Glen Arbor to Glen Haven, \$1.00 .....	6 00
hotel bill at Glen Haven, \$2.00 ; fare to De-	
troit, \$7.40 .....	9 40
hotel bill at Detroit, \$1.00 ; fare home, \$3.53,	4 53
Amount carried forward .....	\$174 66

*Swamp Land State Road Commissioner**vs.**The State of Michigan.*

Amount brought forward .....	\$174 65
L. B. Curtis,	
To dinner and horse feed, \$1.00; hotel bill at St.	
Louis, \$3.25 .....	4 25
dinner and horse feed, \$1.00; hotel bill at	
Stanton, \$2.50 .....	3 50
repairs on buggy, \$2.25; dinner and feed, 85c,	3 10
bill N. of Stanton, \$2.40; dinner and feed,	
\$1.00 .....	3 40
To bill at farm-house, \$2.25; dinner and feed, 90c,	3 15
"        "        \$2.00;        "        "        \$1.00,	3 00
"    St. Louis, \$3.00; repairs on buggy, \$1.25,	4 25
team and buggy, 7 days, @ \$4.00 .....	28 00
fare to Lansing .....	2 20
paid for telegraphing since Dec. 1, 1869 .....	7 30
W. S. George & Co.,	
To printing 1 rm. paper .....	5 40
press. and trim. 2 rms. paper .....	90
ruling 2 rms. paper, 6 times .....	5 40
folding and stitching 2 rms. paper .....	1 50
ruling 1 rm. rough, 4 times .....	1 80
trim. and press. 1 rm. rough .....	45
"        "        1 rm. accept. of local com....	45
J. M. Cook,	
To expense in looking after Rogue River im-	
provement job, and Wartrous's contract on	
Muskegon and Cedar Springs State road, by	
direction of Com. Curtis, viz :	
livery hire, \$4.50; hotel bill, 3 days, \$6.00 ...	10 50
Amount carried forward .....	\$263 21

*Swamp Land State Road Commissioner**vs.**The State of Michigan.**July 6, 1870.*

Amount brought forward .....	\$263 21
L. B. Curtis,	
To hotel bill at Lansing, \$6.50; R. R. fare home,	
\$2.20 .....	8 70
fare to Bay City and back, \$1.66; dinner at	
Bay City, 75c .....	2 41
fare to Grand Rapids .....	4 30
hotel bill at Grand Rapids, \$2.50; livery team	
1 day, \$5.00 .....	7 50
hotel bill at Grand Rapids, \$2.50; dinner, and	
fare home, \$5.05 .....	7 55
toll on plank road, 28c.; dinner and horse feed,	
\$1.00 .....	1 28
hotel bill at Clio, \$2.75; toll on plank road,	
28c.; team two days, \$8.00 .....	11 03
fare to Lansing .....	2 20
hotel bill at Lansing, \$2.50; fare to Adrian,	
\$3.25; dinner at Jackson, 75c .....	6 50
fare to Blissfield, \$1.10; hotel bill at Adrian,	
\$2.25; team, \$5.00 .....	8 35
hotel bill at Blissfield, \$2.00; fare to Detroit,	
\$3.25; dinner, 75c .....	6 00
hotel bill at Detroit, \$7.50; fare home, \$3.53,	11 03
fare to Midland and back, \$1.56; livery, \$3.00;	
dinner at Midland, 50c .....	5 06
paid toll, 40c.; dinner and horse feed at Bridge-	
port, \$1.00 .....	1 40
hotel bill at Tuscola, \$3.25, dinner and horse	
feed at Vassar, \$1.00 .....	4 25
hotel bill at Watrous ville, \$3.00; team at Union-	
ville, \$2.50 .....	5 50
Amount carried forward .....	\$356 27

*Swamp Land State Road Commissioner*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$356 27
<b>L. B. Curtis,</b>	
To hotel bill at Unionville, \$5.50, repairs on buggy, \$3.00.....	8 50
hotel bill at Wild Fowl Bay, \$3.25; team at Port Austin, \$3.00.....	6 25
hotel bill at Port Austin, \$3.50; dinner and feed, \$1.10.....	4 60
team at Forestville, \$5.00; hotel bill, \$4.25..	9 25
" " Lexington.....	4 00
hotel bill at Lexington, \$6.00; shoeing horses, \$1.75; repair on buggy, \$1.25.....	9 00
dinner and horse feed.....	1 00
hotel bill at Vassar, \$3.25; toll on road and bridge, 92c.....	4 17
team and buggy 10 days, @ \$4.00.....	40 00
toll on road.....	1 00
hotel bill at St. Louis, \$3.50; dinner and feed, \$1.00.....	4 50
livery at Stanton, \$3.00; repairs on buggy, \$1.00.....	4 00
hotel bill at Stanton, \$3.00; dinner and feed, \$1.00.....	4 00
bill at farm house, \$2.50; dinner and feed, \$1.00.....	3 50
bill at farm house, \$2.50; dinner and feed, \$1.00.....	3 50
repairs on buggy.....	1 50
hotel bill, \$3.50; dinner and feed, \$1.00; toll on road, \$1.00.....	5 50
team and buggy 6 days, @ \$4.00.....	24 00
fare to Lansing.....	2 20
<b>Amount carried forward .....</b>	<b>\$496 74</b>

*Swamp Land State Road Commissioner**vs.**The State of Michigan.*

Amount brought forward.....	\$496 74
W. S. George & Co.,	
To print. 1,500 envelopes.....	3 00
"    1 rm. letter heads.....	3 40
paper for same.....	2 75
State Treasurer,	
To postage for use of office.....	9 00
Wm. A. Throop & Co.,	
To 2 rms. letter-heads (lith.), @ \$10.00.....	20 00

*July 27, 1870.*

L. B. Curtis,	
To cash paid hotel bill at Lansing, \$5.50; fare home, \$2.20.....	7 70
toll on plank road, \$1.12; dinner and horse feed, \$1.00.....	2 12
hotel bill at Bay City, \$3.50; tolls, \$1.12; horse and buggy 2 days, \$8.00.....	12 62
tolls to Bay City, \$1.12; dinner and horse feed, \$1.00.....	2 12
hotel bill at Bay City, \$3.50; dinner and horse feed, \$1.10.....	4 60
hotel bill at Rifle River, \$3.75; dinner and horse feed, \$1.15.....	4 90
ferriage across Rifle River and expenses getting scow.....	5 00
hotel bill at Au Sauble, \$3.25; do. at Harrisonville, \$3.00.....	6 25
fare to Alpena and freight on team.....	6 00
Amount carried forward.....	\$586 20

*Swamp Land State Road Commissioner**vs.**The State of Michigan.*

Amount brought forward .....	\$586 20
L. B. Curtis,	
To hotel bill at Alpena, \$3.25; fare to Cheboygan.	
\$3.25 .....	6 50
keeping team till it could be sent to Saginaw,	5 00
hotel bill at Cheboygan, \$3.00; fare to Conk-	
lin's, \$1.00 .....	4 00
fare to Mackinac .....	1 00
fare to Detroit, \$7.00; hotel bill at Mackinac,	
\$3.00 .....	10 00
hotel bill at Detroit, \$1.50; fare home, \$3.53,	5 03
charges on horse and buggy home .....	12 00
team and buggy, 9 days, @ \$4.00 .....	36 00
fare to Lansing .....	2 20

*September 8, 1870.*

State Treasurer,	
To postage for use in office .....	9 00
W. S. George & Co.,	
To bind 2 books, statement of swamp land in U.	
and L. P. ....	5 00

*October 5, 1870.*

L. B. Curtis,	
To hotel bill at Lansing, \$5.00; fare home, \$2.20,	7 20
dinner and horse feed at Midland, \$1.00; hotel	
bill at Chippewa, \$2.75 .....	3 75
Amount carried forward .....	\$692 88



*Swamp Land State Road Commissioner*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$692 88
L. B. Curtis,	
To dinner and horse feed.....	1 10
hotel bill at Midland, \$2.75; dinner and horse feed, \$1.00.....	3 75
hotel bill at Sixteen, \$2.75; dinner and horse feed, \$1.00.....	3 75
hotel bill at Freeland's, \$2.50; livery bill 5 days, \$20.00 .....	22 50
fare to Detroit.....	3 53
hotel bill at Detroit.....	3 00
fare to Port Huron, \$2.50; livery bill, \$3.00..	5 50
hotel bill at Pt. Huron, \$2.50; fare to Detroit, \$2.50.....	5 00
hotel bill at Detroit, \$3.00; fare home, \$3.53,	6 53
toll on plank road to St. Louis, \$1.00.....	1 00
hotel bill at St. Louis.....	3 50
dinner and feed at Shafer's, \$1.00; livery at Stanton, \$3.00 .....	4 00
hotel bill at Stanton, \$3.50; dinner and feed at farm house, 75c.....	4 25
hotel bill at Stanton, \$2.75; dinner and feed \$1.00 .....	3 75
bill at farm house, \$2.50; dinner and feed \$1.00; mend. buggy, \$3.25.....	6 75
hotel bill at Mt. Pleasant, \$2.75; mending whiffletrees, \$1.50.....	4 25
dinner and feed at Salt River.....	1 00
hotel bill at St. Louis, \$3.25; dinner and feed, \$1.00; toll on road, \$1.00.....	5 25
livery bill 7 days, @ \$4.00 .....	28 00
Amount carried forward .....	\$809 29

*Swamp Land State Road Commissioner**vs.**The State of Michigan.*

Amount brought forward .....	\$809 29
L. B. Curtis,	
To fare to Lansing, \$2.20; hotel bill, \$5.00; fare home, \$2.20 .....	9 40
freight on horse and buggy, to Pere Marquette R. R. ....	12 50
fare on road .....	1 50
hotel bill at Merrill's, \$2.50; dinner, \$1.00 ..	3 50
bill at R. R. camp, \$3.00; dinner and horse feed, \$1.00 .....	4 00
bill at farm house, \$2.00; repairs on buggy, \$4.00 .....	6 00
bill at farm house, \$2.25; dinner and feed at Stanton, \$1.10 .....	3 35
bill at Ionia, \$2.75; fare to Owosso, \$1.80 .....	4 55
“ “ Owosso, \$2.00; fare to Lansing, \$1.10 ..	3 10
“ “ Lansing .....	2 50
fare to Ionia .....	1 50
bill at Ionia for self, and keeping team 9 days, dinner and horse feed at Greenville, \$1.25; repairs on buggy, \$2.00 .....	12 50
hotel bill at Lake View .....	3 25
dinner and feed .....	2 50
hotel bill at Big Rapids, \$5.00; dinner and feed, \$1.00 .....	1 00
bill at farm house, \$2.50; repairs on buggy, 75c.; dinner at Mt. Pleasant, \$1.00 .....	6 00
hotel bill at St. Louis, \$3.25; shoeing horses, \$1.00; toll on road, \$1.00 .....	4 25
livery bill 17 days, @ \$4.00 .....	5 25
fare to Lansing .....	68 00
	2 20
Amount carried forward .....	\$966 14

*Swamp Land State Road Commissioner*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$966 14
State Treasurer,	
To postage for use in office.....	9 00
W. S. George & Co.,	
To print. 1 rm. certificate to Auditor General....	5 40
paper, for same.....	1 75
binding 25 copies Road and Land Laws (full	
leather) .....	25 00
press. and trim. 1 rm. certificate.....	45

*October 26, 1870.*

J. M. Cook,	
To expenses for self and team.....	4 00
"        "        "        .....	4 00
"        "        "        .....	5 00
wagon repairs.....	5 00
bill at Traverse City.....	3 00
Expenses for self and team.....	4 00
"        "        "        .....	4 00
"        "        "        .....	5 00
"        "        "        .....	3 00
"        "        "        .....	5 00
"        "        "        .....	4 50
R. R. fare and board.....	4 20
expenses for self.....	2 00
R. R. fare.....	2 15
use of team 11 days, @ \$4.00 per day.....	44 00
R. R. fare to Lansing.....	5 95
board 1 day.....	2 50
Amount carried forward.....	\$1,115 04

*Swamp Land State Road Commissioner*  
*vs.*

*The State of Michigan.*

Amount brought forward.....	\$1,115 04
L. B. Curtis,	
To hotel bill at Lansing, \$5.50; fare to Saginaw,	
\$2.20 .....	7 70
tolls to Vassar, 92c.; hotel bill at Vassar \$3.25,	4 17
" to Saginaw, 92c.; livery 2 days, \$8.00.....	8 92
" to St. Louis, \$1.00; dinner and horse feed,	
\$1.00 .....	2 00
hotel bill at St. Louis, \$3.50; shoeing horse,	
75c.; dinner and feed at Stanton, \$1.15.....	5 40
hotel bill at Greenville, \$3.25; mend. buggy,	
\$1.25; dinner and feed, \$1.00 .....	5 50
hotel bill at Cazenovia, \$3.00; dinner and feed,	
\$1.00 .....	4 00
bill at farm house, \$2.50; dinner and feed \$1.00,	3 50
hotel bill at Dayton, \$2.75; dinner and feed,	
\$1.00 .....	3 75
hotel bill at Cazenovia, \$3.00; dinner and feed,	
\$1.00 .....	4 00
hotel bill at Greenville, \$3.50; dinner and feed,	
\$1.10 .....	4 60
hotel bill at Carson City, \$3.00; mending	
buggy, \$2.25 .....	5 25
dinner and feed, \$1.50; livery to Alma, \$6.00,	7 50
hotel bill at Ithaca, \$4.00; dinner and feed,	
\$1.50 .....	5 50
livery bill from Alma to Ovid .....	15 50
" " " Ovid to Laingsburgh .....	4 00
fare from Laingsburgh to Lansing, 75c .....	75
team and buggy 10 days .....	40 00
Amount carried forward.....	\$1,247 08

*Swamp Land State Road Commissioner*  
*vs.*  
*The State of Michigan.*

*November 30, 1870.*

Amount brought forward .....	\$1,247 08
J. M. Cook,	
To bill at Lansing .....	2 00
" " Grand Rapids .....	1 50
R. R. fare from Lansing to Big Rapids .....	4 00
dinner, self and horses .....	1 50
over night, self and horses .....	2 50
dinner, " " .....	1 50
over night, " " .....	2 50
dinner, " " .....	1 00
over night, " " .....	2 00
dinner, " " .....	1 25
over night, " " .....	2 50
dinner, " " .....	1 00
use of horses 4 days, @ \$4.00 .....	16 00
Total .....	<u>\$1,286 33</u>

*Upper Peninsula S. L. S. R. Commissioner**vs.**The State of Michigan.**February 23, 1870.*

Daniel G. Case,

To salary as clerk to the U. P. S. L. S. R. Com'r, under act 155, of 1869, for the month of Dec., 1869 .....	\$33 33
--	---------

*April 6, 1870.*

Daniel G. Case,

To services as clerk to Peter Mitchell, under act 155, of 1869, from June 17 to June 30....	15 26
services as clerk to Peter Mitchell, under act 155, of 1869, for the month of July .....	33 33
services as clerk to Peter Mitchell, under act 155, of 1869, for the month of August....	33 33

*April 27, 1870.*

Daniel G. Case,

To services as clerk under act 155, of 1869, for the month of January, 1870 .....	33 33
services as clerk under act 155, of 1869, for the month of February, 1870 .....	33 33
services as clerk under act 155, of 1869, for the month of March .....	33 33

Amount carried forward .....	\$215 24
------------------------------	----------

*Upper Peninsula S. L. S. R. Commissioner*  
*vs.*  
*The State of Michigan.*

*July 6, 1870.*

Amount brought forward..... \$215 24  
 Daniel G. Case,

To services as clerk under act 155, of 1869, for  
     the month of April, 1870..... 33 33  
     services as clerk under act 155, of 1869, for  
     the month of May, 1870..... 33 33  
     services as clerk under act 155, of 1869, for  
     the month of June, 1870..... 33 33

*September 8, 1870.*

Peter Mitchell,

To postoffice stamps for office..... 1 00  
     fare to Eagle Harbor..... 4 00  
     bill at Eagle Harbor..... 1 00  
     “ Eagle River..... 7 00  
     fare to Ontonagon..... 4 00  
     expenses on Mineral Range road..... 5 50  
     postoffice stamps for office..... 1 00

W. P. Cash,

To services as clerk to Peter Mitchell, U. P. S. L.  
     S. R. Com'r, under act 155, of 1869, for the  
     months of July and August..... 66 66

*November 30, 1870.*

W. P. Cash,

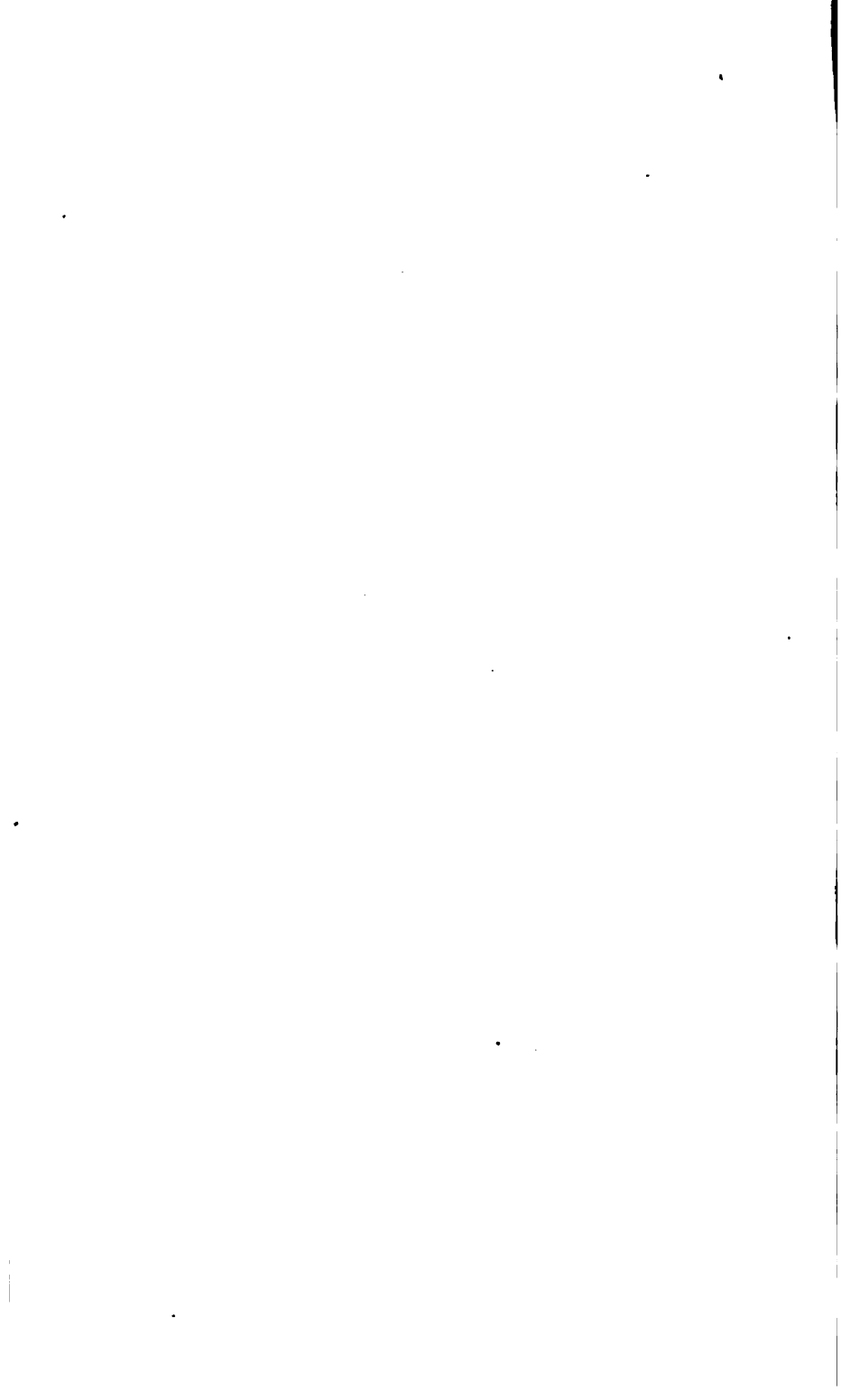
To services as clerk to Peter Mitchell, Com'r,  
     under act 155, of 1869, for September and  
     October ..... 66 66

Amount carried forward ..... \$472 06

*Upper Peninsula S. L. S. R. Commissioner*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$472 06
Peter Mitchell,	
To fare to Houghton.....	7 00
dinner .....	75
bill at Houghton.....	2 00
fare to Marquette.....	4 00
bill at     " .....	1 00
fare to Negaunee.....	60
Peter Mitchell,	
To bill at Negaunee.....	75
fare to Escanaba.....	3 00
" Menominee.....	3 00
meals and berth.....	2 00
bill at Menominee.....	3 00
dinner .....	75
fare to Escanaba.....	3 00
" Negaunee.....	3 00
bill at     " .....	2 00
fare to Marquette.....	60
" Houghton.....	4 00
bill at     " .....	4 50
fare to Ontonagon, and meals.....	8 00
postage for the months of Sept. and Oct.....	1 31
Total .....	<u><u>\$526 32</u></u>





*Supreme Court*  
*vs.*  
*The State of Michigan.*

*January 5, 1870.*

George L. Pease,

To stationery .....	\$3 70
---------------------	--------

W. S. George & Co.,

To printing Supreme Court Docket, January term, 1870.....	40 00
--	-------

---

*July 27, 1870.*

W. S. George & Co.,

To printing Supreme Court Docket, July term..	40 00
---	-------

---

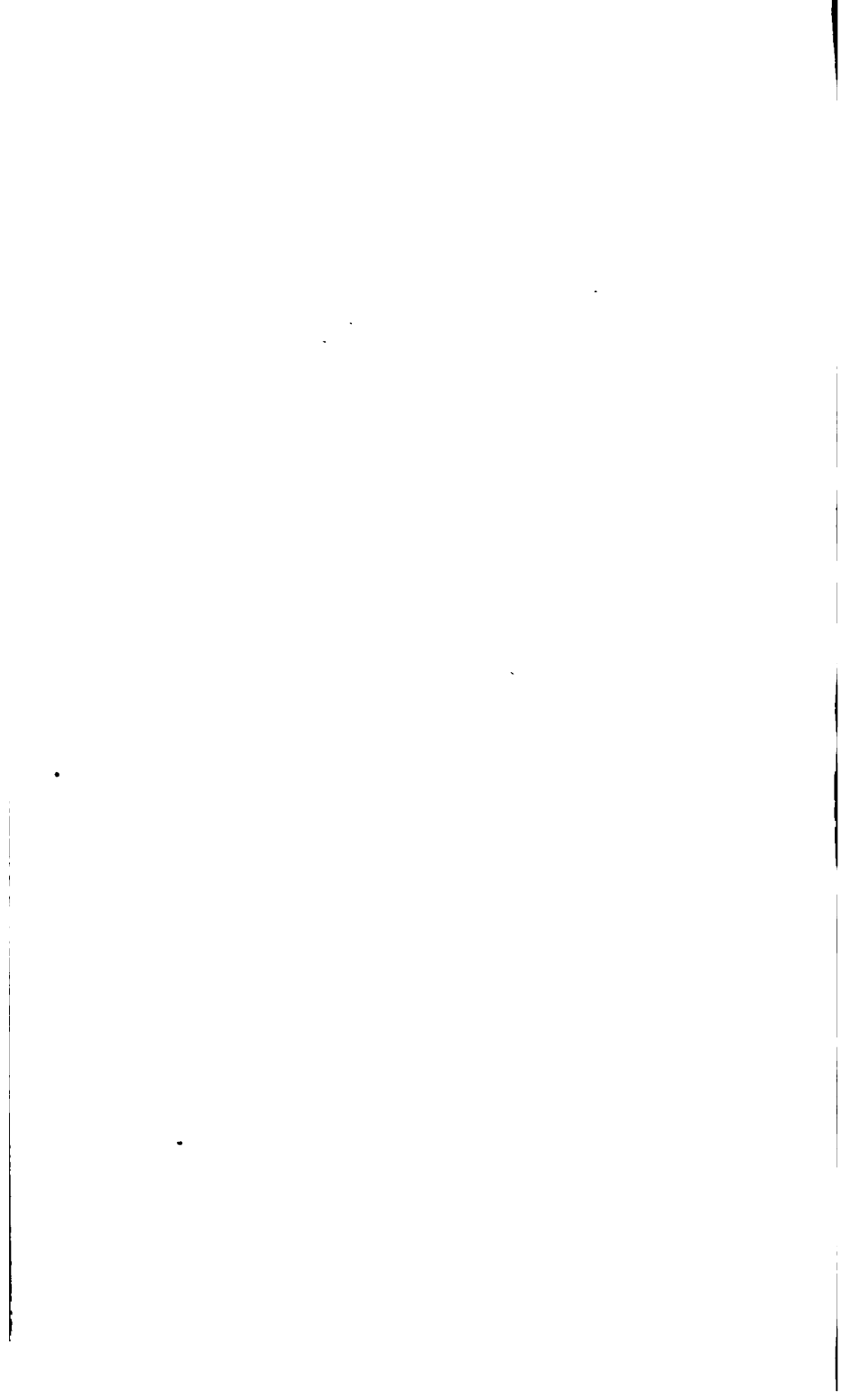
*October 26, 1870.*

Richmonds & Backus,

To paper bought for use of Supreme Court, as per accompanying voucher.....	19 50
---	-------

Total .....	
-------------	--

Total .....	\$103 20
-------------	----------



*Reform School*  
*vs.*  
*The State of Michigan.*

*January 27, 1870.*

Reform School,

To expenses as per voucher No. 4.....	\$1,126 95
“ “ “ “ 119.....	2,000 00
“ “ “ “ 120.....	2,000 00

W. S. George & Co.,

To 140,276 ems comp. on report of the Board of	
Control of the Reform School, @ 45c.....	63 21
81 tokens press-work on same, @ 35c.....	28 35
print. 5 rms. covers for same.....	10 00

---

*February 23, 1870.*

W. S. George & Co.,

To press. and dry. 18,000 signatures, @ 4½c.....	8 10
folding 18,000 signatures, @ 5c.....	9 00
stitching 2,000 pamphlets, @ 20c.....	4 00
cover. and trim. 2,000 pamphlets.....	20 00

---

*April 6, 1870.*

Reform School,

To expenses as per voucher No. 121.....	2,000 00
“ “ “ “ 122.....	2,000 00
“ “ “ “ 123.....	2,000 00
“ “ “ “ 124.....	2,000 00

---

Amount carried forward ..... \$13,269 61

*Reform School*  
*vs.*  
*The State of Michigan.*

*May 25, 1870.*

Amount brought forward .....	\$13,269 61
Reform School,	
To expenses as per voucher No. 125 .....	2,000 00
"       "       "       "   126 .....	2,000 00
"       "       "       "   127 .....	2,000 00
"       "       "       "   128 .....	2,000 00

*July 6, 1870.*

Reform School,	
To expenses as per voucher No. 1 .....	3,000 00
"       "       "       "   131 .....	2,000 00

*July 27, 1870.*

Reform School,	
To expenses as per voucher Nos. 129 and 130 ....	4,000 00
"       "       "       "   132 .....	2,000 00
"       "       "       "   133 .....	2,000 00

*August 5, 1870.*

Reform School,	
To expenses as per voucher No. 5 .....	4,000 00

*September 8, 1870.*

Reform School,	
To expenses as per voucher No. 1 .....	500 00
"       "       "       "   134 .....	2,000 00
Amount carried forward .....	<u>\$40,769 61</u>

*Reform School*  
*vs.*  
*The State of Michigan.*

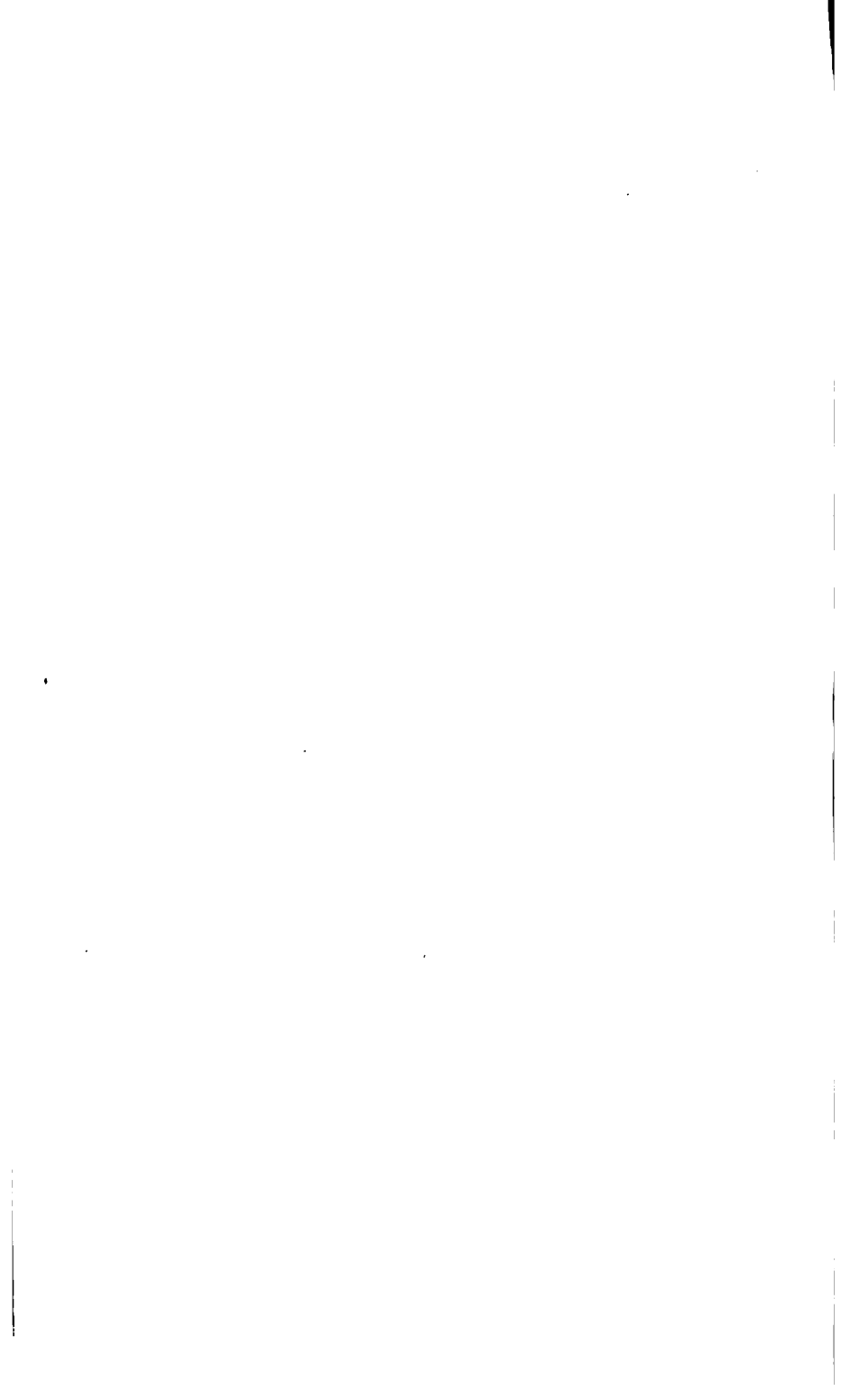
*October 26, 1870.*

Amount brought forward.....					\$40,769 61
<b>Reform School,</b>					
To expenses as per voucher No. 6.....					2,000 00
“ “ “ “ 135.....					2,000 00
“ “ “ “ 136.....					2,000 00
“ “ “ “ 137.....					2,000 00

---

*November 30, 1870.*

<b>Reform School,</b>					
To expenses as per voucher No. 138.....					2,000 00
“ “ “ “ 139.....					1,000 00
<b>Total .....</b>					<b>\$51,769 61</b>



*State Prison*  
*vs.*  
*The State of Michigan.*

*April 6, 1870.*

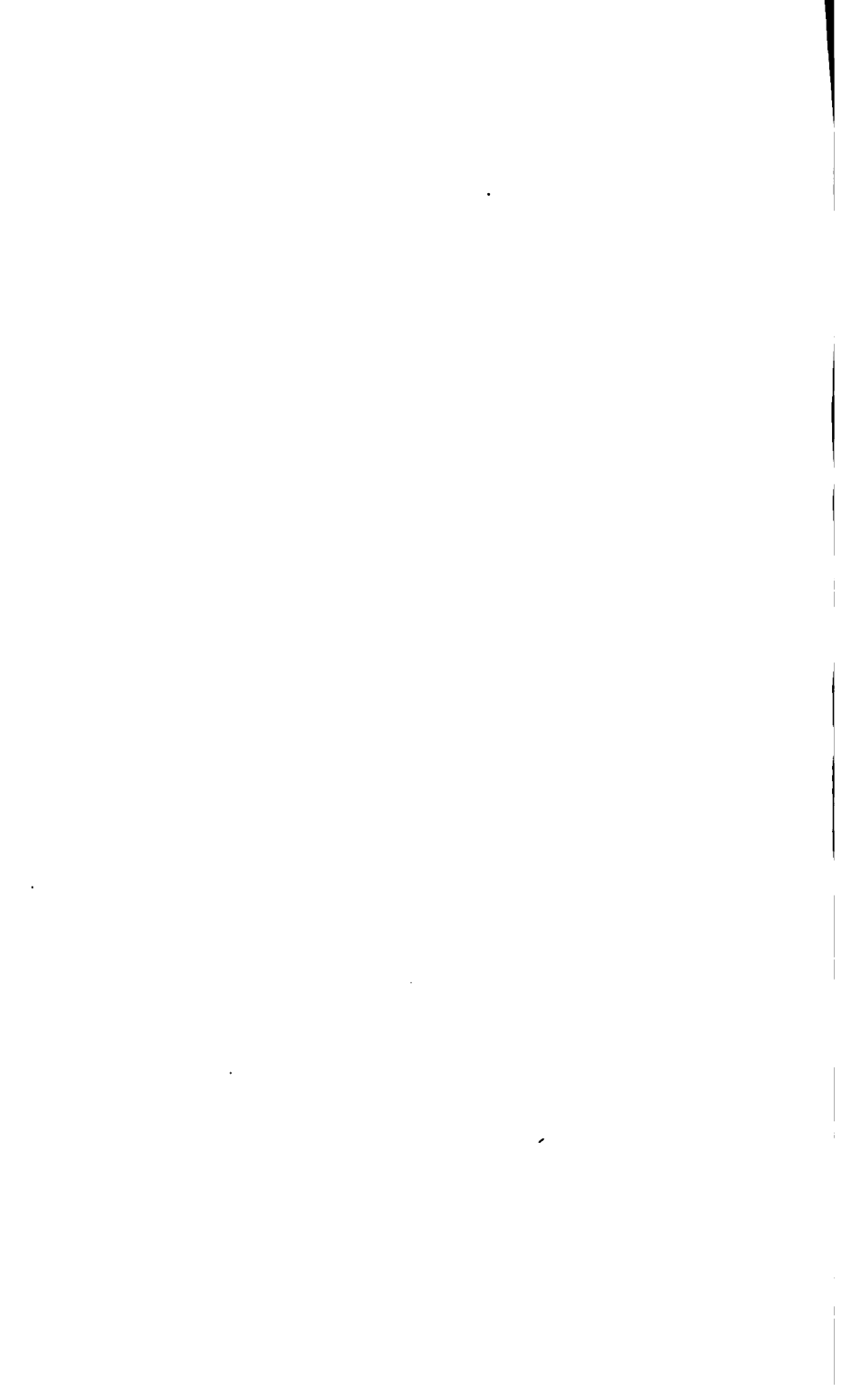
W. S. George & Co.,

To 158,622 ems comp. on report of Prison Inspec-

tor, @ 45c.....	\$71 37
110 tokens press-work on same, @ 35c.....	38 50
print. 2 rms. covers for same.....	6 80
dry. and press. 5,000 sigs., @ 4½c.....	2 25
folding 5,000 sigs., @ 5c.....	2 50
stitching 500 pamphlets, @ 25c.....	1 25
cover. and trim. 500 pamphlets.....	5 00

Total .....	<u>\$127 67</u>
-------------	-----------------





*Agricultural College*  
*vs.*  
*The State of Michigan.*

*April 27, 1870.*

W. S. George & Co.,

To cash paid for electrotyping plates for report of State Board of Agriculture.....	\$1 60
cash paid express charges on same.....	75

---

*July 27, 1870.*

W. S. George & Co.,

To dry. and press. 420,000 sigs., report Sec'y of Board of Agriculture, @ 4½c.....	1 89
folding same.....	2 10

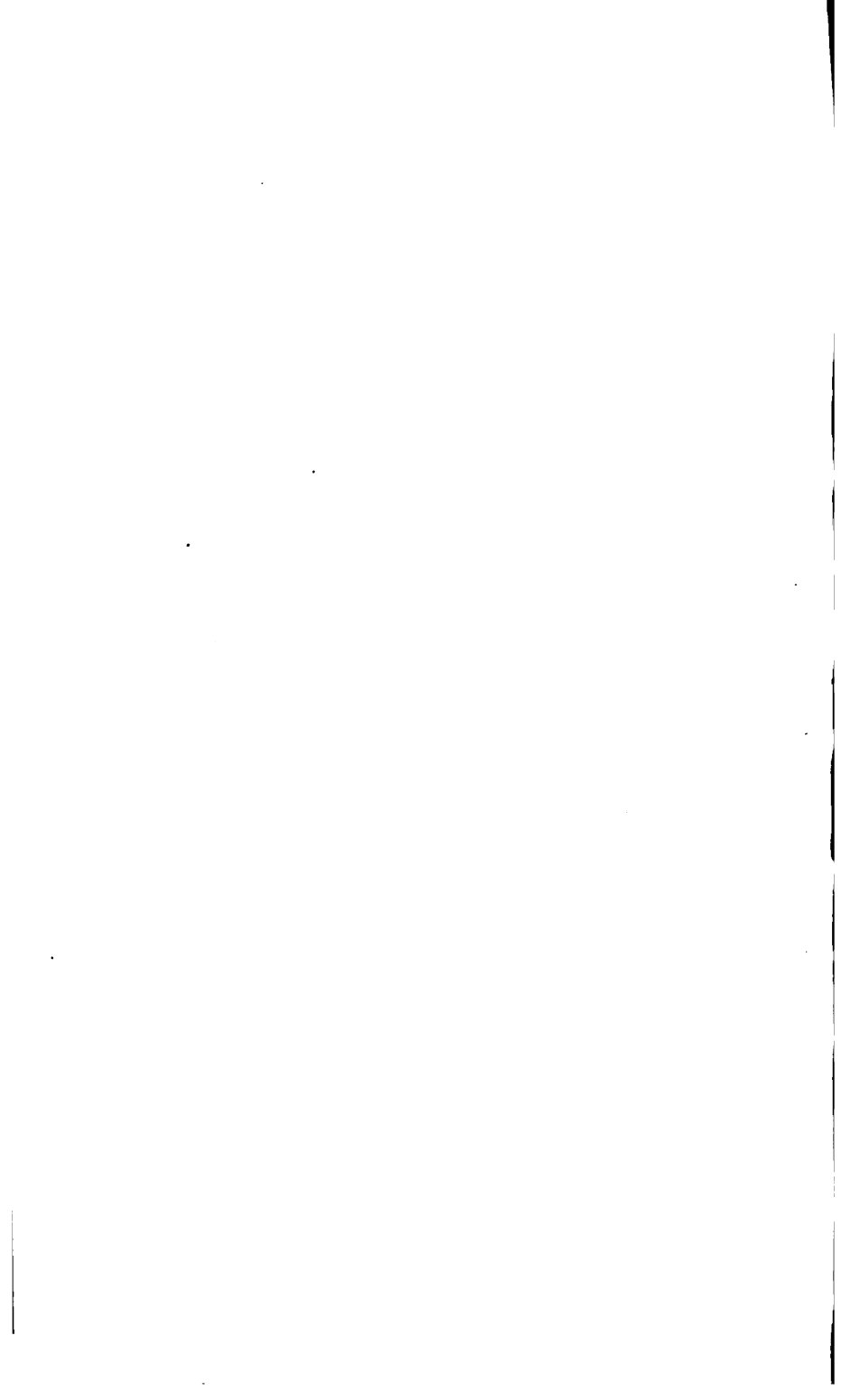
---

*September 8, 1870.*

W. S. George & Co.,

To 1,639,558 ems comp. on report of Sec'y of Board of Agriculture, 1869, @ 45c.....	737 79
2,080 tokens press-work on same, @ 35c.....	728 00
binding 3,000 reports Sec'y Board of Agri- culture, full cloth, @ 35c.....	1,050 00
binding 3,000 reports Sec'y Board of Agricul- ture, full cloth, @ 35c.....	1,050 00

Total .....	<div style="border-top: 1px solid black; border-bottom: 3px double black; display: inline-block; padding: 2px 10px;">\$3,572 13</div>
-------------	---



*State of Michigan.*  
*vs.*  
*The State of Michigan.*

*December 7, 1869.*

E. S. Porter,

To services as Sec'y of Board of State Auditors for the month of December .....	\$33 33
services as clerk of the Board of Control for the months of Sept., Oct., Nov., and Dec., @ \$50.00 per annum .....	16 64

---

*January 5, 1870.*

O. L. Spaulding,

To expenses to Detroit by direction of Board of Escheats, relative to Finden estate .....	11 85
--	-------

W. S. George & Co.,

To balance of comp. on School Lands, 116,658 ems, @ 45c .....	52 49
print. 6 stationery bills, 1870 and 1871 .....	4 00
binding 1,000 Joint Documents, @ 33c .....	330 00
“ 17,000 School Laws, @ 32c .....	5,440 00
“ 300 “ “ ½ Morocco, extra binding .....	15 00
dry. and press. 1,062,000 sigs., Morocco, @ 5c.,	531 00
folding 1,062,000 sigs., Morocco, @ 5c .....	531 00
binding 9,000, vol. 2, Session Laws, @ 35c ...	3,150 00
dry. and press. 1,026,000 sigs., @ 5c .....	513 00
folding 1,026,000 sigs., @ 5c .....	513 00
binding 9,000 Session Laws, vol. 3 .....	3,150 00

Amount carried forward .....	\$14,291 31
------------------------------	-------------

*State of Michigan.**vs.**The State of Michigan.*

Amount brought forward .....	\$14,291 31
John A. Kerr & Co.,	
To rent of building for storing books, from May	
1, 1869, to January 1, 1870, @ \$60.00 per year,	40 00
S. R. Greene,	
To 1 box made for State Library for taking books	
to California, strapped with iron.....	1 75
6 lights, 12x20 glass, \$1.50; putty, 25c.; work	
mending windows at State Capitol, \$2.00..	3 75
1 box for Compiled Laws.....	85
1 box.....	85
1 foot-stool .....	1 00
1 " " .....	1 00
work and blocks to raise desk.....	25
" " lumber for book shelves.....	1 75
2 boxes.....	1 70
20 boxes for laws of 1869, 85c.....	17 00
35 " " " " 85c.....	29 75
one item for paint and painting not before	
rendered .....	3 26
John Kneller,	
To sawing 10 cords wood once, 75c.....	7 50
" 3 " " twice, \$1.25.....	3 75
2½ days' work wheeling wood, @ \$1.75 .....	4 38
4½ days' labor in Nov. 1869, @ \$1.75.....	7 87
2½ " " " Dec. " @ \$1.75.....	3 94
A. Lindsley,	
To labor as porter in State offices for Dec., @	
\$2.00.....	62 00
Lemuel M. Sullivan,	
To services as watchman in State offices for Dec.,	
31 nights, @ \$2.00 .....	62 00
Amount carried forward .....	\$14,545 66

*State of Michigan**vs.**The State of Michigan.*

Amount brought forward .....	\$14,545 66
<b>John Broad,</b>	
To services as porter in Capitol for Dec.....	62 00
washing 28 pieces, @ 5c.....	1 40
<b>John Nagel,</b>	
To services as porter in Auditor General's office,	
Dec., @ \$2.00 .....	62 00
washing 50 pieces, @ 5c .....	2 50
<b>Charles Nagel,</b>	
To wheeling wood into basement of State office,	
2 days, @ \$1.50 .....	3 00
<b>Mrs. H. White,</b>	
To services rendered by her son in making the	
Geological Survey of the State in the year	
1860.....	51 87
interest on the same from 1861 to 1869, 8	
years, @ 7 % .....	29 04
<b>Advertiser &amp; Tribune Co.,</b>	
To daily paper for State offices.....	70 00
<b>Wm. Jenison,</b>	
To paid for insurance on Mich. Reports as follows :	
15th vol., to May 6, 1870.....	4 40
16th " " " " .....	4 40
17th " " " " .....	8 80
18th " just out, July 17, 1870.....	26 83
<b>James M. Phelps,</b>	
To cleaning walk of snow at State offices.....	1 00
$\frac{1}{2}$ day's work cleaning walk of snow .....	88
<b>Bennie W. Bours,</b>	
To services as messenger for State offices, Dec....	31 00
Amount carried forward.....	\$14,904 78

*State of Michigan*  
*vs*  
*The State of Michigan.*

January 27, 1870

Amount brought forward .....	\$14,904 78
State Treasurer,	
To postage for use of office of the Board of State Auditors .....	5 50
John Nagel,	
To services as porter in Auditor General's and State Treasurer's offices for January, 31 days, @ \$2.00 .....	62 00
washing 48 pieces, @ 5c .....	2 40
A. Lindsley,	
To services as porter in State offices for the month of January, @ \$2.00 per day .....	62 00
Lemuel M. Sullivan,	
To services as watchman in State office for the month of January, 31 nights, @ \$2.00 .....	62 00
Charles Nagel,	
To 2½ days' work wheeling wood at State offices, @ \$1.50 .....	3 75
John Broad,	
To services as porter at Capitol for January .....	62 00
washing 28 pieces, @ 5c .....	1 40
Bennie W. Bours,	
To services as messenger at State office for the month of January .....	31 00
W. S. George & Co.,	
To printing State contracts and for mounting .....	3 40
E. S. Porter,	
To services as clerk of the S. L. B. of Control for the month of January, @ \$50.00 per year .....	4 17
services as secretary of the Board of State Auditors for the month of January .....	33 33
Amount carried forward .....	\$15,237 73

*State of Michigan*  
*vs.*  
*The State of Michigan.*

Amount brought forward .....	\$15,237 73
John Kneller,	
To sawing 13 $\frac{3}{4}$ cords of wood .....	10 31
wheeling in wood 1 $\frac{1}{2}$ days .....	2 18

February 23, 1870.

A. Lindsley,	
To services as porter in State office for the month of February, @ \$2.00 per day .....	56 00
Daniel Stafford,	
To sawing 10 cords of wood once, at the Capitol, @ 75c per cord .....	7 50
John Bush,	
To sixty cords of wood delivered at the Capitol, @ \$2.59, as per contract .....	155 40
B. F. Simons,	
To 1 spool thread .....	10
12 yds. crash, @ 25c. ....	3 00
John Broad,	
To services as porter at the Capitol for the month of February, 1870, @ \$2.00 .....	56 00
washing 23 pieces, @ 5c. ....	1 15
Lemuel M. Sullivan,	
To services as watchman at State offices for the month of Feb., 1870, @ \$2.00 per night....	56 00
John Nagel,	
To services as porter at State offices for the month of February, 1870, 28 days, @ \$2.00 .....	56 00
washing 48 pieces, @ 5c. ....	2 40
hemming 12 towels, @ 5c. ....	60
Amount carried forward .....	\$15,644 37



*State of Michigan*  
vs.  
*The State of Michigan.*

Amount brought forward.....	\$15,644	37
Charles Nagel,		
To 3½ days wheeling wood into basement, @ \$1.50		
per day.....		5 25
Pease & Smith,		
To 10 rms. 35 lb. cover .....	\$120	00
less 5 rms. 25 lb. ret., @ 5c.   40 00		
	—————\$80	00
80 00		
W. S. George & Co.,		
To ruling 1 rm. note (twice) for Board of Auditors,		90
print. 1 rm. letter-heads for Secretary of the		
Board of Auditors.....		3 40
print. 1 rm. circulars for Sec'y Board of Aud.,		3 40
924,000 ems comp. on index to House Journal,	415	80
150 tokens press-work on same.....		60 00
346,500 ems comp. on index to Senate Journal,	155	92
57 tokens press-work on same.....		22 80
334,376 ems comp. on report of Auditors....	150	46
308 tokens press-work on same.....	107	80
print. 2 rms. covers for same.....		4 00
reprint. 32 pp., 49,448 ems comp.....	22	25
44 tokens press-work on same.....		15 40
State Treasurer,		
To postage for use of Board of Auditors.....		4 00
Bennie W. Bours,		
To services as messenger for State offices for the		
month of February, 1870.....		28 00
Wm. A. Throop & Co.,		
To 1 gross pens.....		1 00
1-6 doz. Arnold's qts. ....		99
1-12 " " copying .....		87
Amount carried forward.....	\$16,726	61

*State of Michigan*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$16,726 61
Wm. A. Throop & Co.,	
To 1 ivory folder.....	63
1   "   " .....	25
$\frac{1}{4}$ gross Faber's hex. pencils.....	3 00
$\frac{1}{2}$ "   rubber bands.....	60
1 ruling pen.....	1 50
1 15-inch Clegg's ruler.....	1 50
1-6 doz. Hutchinson's 2 oz. carmine.....	1 00
1 barometer inkstand.....	2 00
1   "   mucilage stand.....	2 00
A. R. Thayer,	
To 48 gallons carbon oil.....	18 24
1 gallon   "   " .....	45
E. S. Porter,	
To services as Sec'y of Board of State Auditors	
for February, 1870.....	33 33
services as clerk of Board of Control for Feb.,	
1870 .....	4 17
O. L. Spaulding,	
To cash paid expenses to Detroit on business for	
trustees of lands escheated to the State .....	11 86

*April 6, 1870.*

Thomas Ryan,

To purchase price of portion of private claim  
numbered 76 and 77, on St. Mary's River,  
as per deed to Board of Control of St.  
Mary's Falls Ship Canal, and in settlement  
of his claim against the State for damages  
in the destruction of his dock on said claim,   2,500 00

Amount carried forward..... \$19,307 14

*State of Michigan*  
vs.  
*The State of Michigan.*

Amount brought forward.....	\$19,307 14
E. S. Porter,	
To services as clerk of the Board of Control for the month of March, 1870.....	4 17
services as sec'y of the Board of Auditors for the month of March.....	33 33
L. M. Sullivan,	
To services as watchman at State offices for the month of March.....	62 00
John Nagel,	
To services as porter at State offices for the month of March.....	62 00
washing 48 pieces, @ 5c.....	2 40
A. Lindsley,	
To services as porter at State offices for the month of March.....	62 00
John Broad,	
To services as porter at the Capitol for the month of March.....	62 00
washing 28 pieces, @ 5c.....	1 40
paid for carting books.....	50
John Kneller,	
To sawing 2 cords wood, @ \$1.25.....	2 50
W. S. George & Co.,	
To paper for printing com'r acceptance, Fort William and Fort Howard military road..	75
315,448 ems comp. on R. R. report by Auditor General.....	141 95
200 tokens press-work on same.....	70 00
print. 1 rm. covers for same.....	3 40
dry. and press. 14,000 signatures, @ 4½c.....	6 30
Amount carried forward.....	\$19,821 84

*State of Michigan**vs.**The State of Michigan.*

Amount brought forward .....	\$19,821 84
<b>W. S. George &amp; Co.,</b>	
To folding 14,000 signatures, @ 5c.....	7 00
stitching 500 pamphlets, @ 25c.....	1 25
cover. and trim. 500 pamphlets.....	5 00
binding 1 vol. reports, Board of Auditors,	
1863 to 1870.....	1 25
dry. and press. 127,000 signatures, Senate Jour-	
nal, 1869.....	63 50
folding same.....	63 50
binding 1,000 vols. Senate Journal, @ 32c....	320 00
dry. and press. 168,500 signatures, House Jour-	
nal, 1869.....	84 25
folding same.....	84 25
binding 1,500 vols. House Journal, @ 32c....	480 00
<b>S. R. Greene,</b>	
To repairs on chair.....	50
1 box.....	75
tin 50c.; work to repair roof at Capitol, \$1.50,	2 00
<b>Calvert &amp; Co.,</b>	
To 3 ribbons for canceling machines, @ 75c....	2 25
<b>H. D. Weatherux,</b>	
To serving copy narr.....	1 25
45 miles travel to serve E. F. Bosworth.....	4 50
45   "   "   "   H. E. Hudson.....	4 50
35   "   "   "   S. L. Lowry.....	3 50
return writ to circuit court.....	25
<b>A. M. U. Ex. Co.,</b>	
To express charges.....	30
"   "   .....	65
Amount carried forward .....	\$20,952 29

*State of Michigan*  
*vs.*  
*The State of Michigan.*

Amount brought forward .....	\$20,952 29
State Treasurer,	
To postage for office of Board of Auditors and	
100 P. O. wrappers .....	2 10
2 cards 2c. stamps .....	4 00
F. Williams,	
To hauling 14½ cords wood from Capital to State	
offices, @ 50c. ....	7 13
James M. Phelps,	
To 1 day wheeling wood .....	1 75
sawing 4 cords wood, @ 75c. ....	3 00
cleaning walk of snow at State offices .....	75
1 day cleaning walk       “       “ .....	2 00
2 days' work at State offices .....	3 75
1½ “ wheeling wood, @ \$1.75 .....	2 63
Bennie W. Bours,	
To services as messenger at State office for the	
month of March .....	31 00
E. Olafin,	
To hauling 8 cords of wood from Capitol to State	
offices .....	2 00

*April 27, 1870.*

State Treasurer,	
To postage for office of Board of Auditors .....	3 00
John Nagel,	
To services as porter in State offices for the	
month of April .....	60 00
washing 50 pieces @ 5c .....	2 50
Amount carried forward .....	\$21,077 90

*State of Michigan**vs.**The State of Michigan.*

Amount brought forward.....	\$21,077 90
A. Lindsley,	
To services as porter at State offices for the month of April.....	60 00
John Broad,	
To services as porter at Capitol for the month of April.....	60 00
washing 28 pieces, @ 5c.....	1 40
paid for carting books.....	1 00
Lemuel M. Sullivan,	
To services as watchman at State offices for the month of April.....	60 00
James Black,	
To furnishing and setting 74 trees around State offices, @ 50c.....	37 00
E. S. Porter,	
To services as sec'y of Board of Auditors for the month of April,.....	33 33
services as clerk of Board of Control for the month of April.....	3 17
Bennie W. Bours,	
To services as messenger at State office for the month of April.....	30 00
John Kneller,	
To sawing 3½ cords of wood, @ 75c per cord ...	2 63
1½ days wheeling wood.....	2 63
Henry Ferle,	
To 1 box for packing blanks.....	50
Amount carried forward .....	\$21,369 56

*State of Michigan*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$21,369 56
W. S. George & Co.,	
To print. 2 rms. blanks, books of reservations....	10 80
print. record for Att'y Gen'l, Smith <i>vs.</i> Aud.	
General .....	10 00
155,176 ems comp. on report of Sup't of Sault	
Canal.....	69 82
60 tokens press-work on same.....	21 00
print. 1 rm. covers for same.....	3 40
101,752 ems. comp. on report of State Military	
Board.....	45 70
30 tokens press-work on same.....	10 50
print. 1 rm. covers for same.....	3 40

*May 25, 1870.*

E. R. Merrifield,	
To renewal of ins. policy No. 48, Detroit F. and	
M. Ins. Co., on State library.....	100 00
O. L. Spaulding,	
To expenses attending Wayne circuit court as	
witness in the matter of the Findon escheat	
case.....	12 80
S. C. Moffatt,	
To services in the matter of the escheat of the	
McFaggart estate.....	25 00
John J. Bush,	
To 172½ cords of wood furnished	
as per contract, @ \$2.59....	\$446 13
less 60 cords.....	155 40
	<hr/> \$290 73
examined and allowed, at.....	265 93
Amount carried forward .....	<hr/> \$21,947 91

*State of Michigan**vs.**The State of Michigan.*

Amount brought forward.....	\$21,947 91
A. Lindsley,	
To services as porter in State offices for the month of May.....	62 00
John Broad,	
To services as porter at Capitol for the month of May.....	62 00
washing 26 pieces, @ 5c.....	1 30
L. M. Sullivan,	
To services as watchman at State offices for the month of May.....	62 00
John Nagel,	
To services as Porter at State offices for the month of May.....	62 00
washing 48 pieces, @ 5c.....	2 40
James Black,	
To 8 days digging around trees in Capitol square, @ \$2.00.....	16 00
Henry Richardson,	
To 5 days digging around trees in Capitol square, @ \$1.75.....	8 75
S. R. Greene,	
To 6 days repairing fence at Capitol.....	15 00
lumber for same.....	2 00
S. R. Greene,	
To cash paid for smith work.....	1 00
" " " nails.....	1 10
work taking off cornice on offices.....	7 25
" and lumber to fix posts.....	12 50
paid for painting hitching-posts.....	2 00
work on roof at offices.....	3 00
Amount carried forward.....	\$22,268 21



*State of Michigan*  
*vs.*  
*The State of Michigan.*

Amount brought forward .....	\$22,268 21
S. R. Greene,	
To cash paid for nails, \$1.56; cash for lumber strips, \$2.30 .....	3 86
cash paid to mend cave-trough at offices.....	1 75
replace lightning rods .....	4 75
Bennie W. Bours,	
To services as messenger at State office for the month of May .....	31 00
S. DeGraw,	
To hauling paper .....	50
W. S. George & Co.,	
To dry. and press. 5,400 sigs., compilation of R. R. reports .....	2 43
folding same .....	2 70
stitching 300 pamphlets .....	75
cover. and trim. 300 pamphlets .....	3 00
dry. and press. 1,800 sigs. Canal reports .....	60
folding 1,800 sigs. Canal reports .....	90
stitching 300 pamphlets, Canal reports .....	60
cover. and trim. 300 pamphlets, Canal reports,	3 00
dry. and press. 900 sigs., State Military Board report .....	40
folding 900 sigs., State Military Board report.	45
stitching 300 pamphlets, State Military Board reports .....	45
cover and trim. 300 pamphlets, State Military Board reports .....	3 00
dry. and press. 3,000 sigs., R. R. lands .....	1 35
folding 3,000 sigs., R. R. lands .....	1 50
A mount carried forward .....	\$22,331 41

*State of Michigan**vs.**The State of Michigan.*

Amount brought forward .....	\$22,331	41
<b>W. S. George &amp; Co.,</b>		
To stitching 300 pamphlets, R. R. lands .....		75
cover and trim. 300 pamphlets, R. R. lands..		3 00
binding 3,000 School reports, leather backs..		750 00
"    1,500    "    "    paper covers..		150 00
182,476 ems comp. on R. R. lands for Aud.		
Gen'l .....		82 11
30 tokens press-work on same .....		10 50
printing 1 rm. covers for same .....		3 40
adv. official canvass, judge 14th circuit, 8 f. 2 w		8 40
11,782 ems comp. on title-page of contents of		
Joint Documents, 1869 .....		5 30
18 tokens press-work on same .....		6 30
<b>Pease &amp; Smith,</b>		
To 82 rms. 24 x 36 S. S. & C. book, @ 8 35 .....	684	70
24 " " " " " @ 8 35 .....	200	40
76 " " " " " @ 8 35 .....	634	60
30 " " " " " @ 8 35 .....	250	50
38 " " " " " @ 8 35 .....	317	30
<b>Jones &amp; Porter,</b>		
To premium on insurance of State Library, from		
May 18th, 1870 to May 18th, 1871, as fol-		
lows, to wit:		
Putnam Ins. Co., \$5,000, @ 2 % .....	100	00
Lorillard Ins. Co., \$3,000, @ 2 % .....	60	00
Springfield Ins. Co., \$3,000, @ 2 % .....	60	00
Home Ins. Co., \$3,000, @ 2 % .....	60	00
North America Ins. Co., \$3,000, @ 2 % .....	60	00
Michigan State Ins. Co., \$3,000, @ 2 % .....	60	00
Amount carried forward .....	\$25,838	67

*State of Michigan*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$25,838 67
Israel Gillett,	
To work and material for 45 22-100 squares of gravel roofing on State offices, @ \$7.00 per square .....	316 54
E. S. Porter,	
To services as sec'y of Board of Auditors, month of May .....	33 33
services as clerk of Board of Control, month of May .....	4 17

July 6, 1865.

O. L. Spaulding,	
To paid telegrams.....	2 87
expenses to Detroit and Flint, Mather <i>vs.</i> Dewey.....	19 07
expenses to Saginaw, same matter.....	7 60
S. C. Alderman,	
To witness fees before committee in matter of investigation of selection of Ag'l Col. lands	6 00
mileage, 150 @ 10c.....	15 00
John Broad,	
To services as porter at Capitol, month of June	60 00
washing 28 pieces, @ 5c.....	1 40
paid for carting books.....	50
Amount carried forward.....	\$26,305 15

*State of Michigan*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$26,305 15
G. V. N. Lothrop,	
To services as counsel in case of Smith <i>vs.</i> Aud.	
Gen'l, Wayne circuit court.....	75 00
services as counsel same case, supreme court	75 00
clerk's fees, same case.....	12 00
paid Free Press, printing brief.....	12 00
Henry Richardson,	
To 10½ days digging around and mulching trees	
in State offices block, @ \$2.00 .....	21 00
James Black,	
To 11½ days, mulching, trimming trees, etc., at	
State offices block, @ \$2.00.....	23 00
A. Lindsley,	
To services as porter at State offices, month of	
June .....	60 00
L. M. Sullivan,	
To services as watchman at State offices, month	
of June.....	60 00
John Nagel,	
To services as porter at State offices, month of	
June.....	60 00
washing 50 pieces, @ 5c.....	2 50
paid for repairing a door lock.....	25
" " 1 doz. lamp wicks.....	20
S. R. Greene,	
To work, nails and lumber to repair walk.....	22 68
" " " for 12½ rods new walk	
at Capitol.....	54 37
work repairing old and connecting with new	50
cash paid to put cord in flag-pole.....	6 00
Amount carried forward.....	\$26,789 65

*State of Michigan*  
vs.  
*The State of Michigan.*

Amount brought forward.....	\$26,789 65
S. R. Greene,	.
To dray 50c, other expenses 50c.....	1 00
W. S. George & Co.,	
To dry. and press 316,000 sigs., Joint Documents,	
@ 4½c.....	142 20
folding 316,000 sigs., Joint Documents, @ 5c	158 00
binding 2,000 Joint Documents, @ 30c.....	600 00
binding 3,000 School reports, leather backs,	
@ 25c.....	750 00
printing endorsements on Kalamazoo and	
South Haven R. R. bonds.....	3 40
J. A. Kerr & Co.,	
To rent of store-room for books, from January 1	
to March 31, @ \$60.00 per annum.....	15 00
rent of same from April 1 to June 30, @	
\$75.00 per annum.....	18 75
Levi Bishop,	
To services and cash paid in the Finden escheat	
case, as per bill attached .....	123 32
Second National Bank, Detroit,	
To exchange \$11,200.00.....	11 20
express charges.....	50
Bennie W. Bours,	
To services as messenger at State offices for June	30 00
Pease & Smith,	
To 21 4-20 rms. S. S. & C. book, @ \$8.35.....	177 02
200 feet rope.....	3 00
50 rms. S. S. & C. book.....	417 50
36 rms. S. S. & C. book.....	300 60
Amount carried forward.....	\$29,541 14

*State of Michigan*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$29,541 14
<b>E. S. Porter,</b>	
To services as clerk of the Board of Control,	
month of June, 1870.....	4 17
services as sec'y Board of State Auditors,	33 33

*July 27, 1870.*

<b>O. L. Spaulding,</b>	
To expenses to Detroit and Dearborn to regulate	
sale of estate in Finden escheat case.....	15 45
expenses to Marquette and Houghton as	
special agent of the State, to select lands	
for construction of military road from Fort	
Wilkins to Fort Howard, and confer with	
commissioner of road.....	86 45
<b>E. O. Grosvenor,</b>	
To 10 days attendance as member of Board of	
Control of Sault Canal, visiting and inspect-	
ing canal, @ \$3.00 per day..	30 00
1,260 miles travel to and from.....	126 00
<b>H. P. Baldwin,</b>	
To 10 days attendance as member of Board of	
Control of Sault Canal, visiting and inspect-	
ing canal, @ \$3.00 per day.....	30 00
1,260 miles travel to and from.....	126 00
<b>Grosvenor Co.,</b>	
To 1-10 % exchange on \$10,000.00 remitted to	
New York for purchase of State bonds....	10 00
Amount carried forward.....	\$30,002 54

*State of Michigan*  
*vs.*  
*The State of Michigan.*

Amount brought forward .....	\$30,002 54
Bennie W. Bours,	
To services as messenger at State offices, month of July .....	31 00
Pease & Smith,	
To 21 4-20 rms. 24 x 36 book, @ \$8.35 .....	177 02
Ralph C. Smith,	
To solicitor's fees in case of Smith vs. Aud. Gen'l <i>et al.</i> .....	20 00
register's fees .....	8 00
serving subpoena and injunction .....	2 00
John Broad,	
To services as porter at Capitol, month of July, 1870 .....	62 00
washing 30 pieces, @ 5c .....	1 50
A. Lindsley,	
To services as porter at State offices, July, 1870 .....	62 00
E. S. Porter,	
To services as clerk of Board of Control, July 1870 .....	4 17
services as sec'y Board of State Auditors, July, 1870 .....	33 33
H. P. Baldwin,	
To expenses in visiting Portage Lake and Lake Superior Ship Canal, now in process of construction .....	21 50
John Nagel,	
To services as porter at State offices for July, 1870 .....	62 00
washing 50 pieces, @ 5c .....	2 50
paid for tumbler .....	25
Amount carried forward .....	\$30,489 81

*State of Michigan**vs.**The State of Michigan.*

Amount brought forward.....	\$30,489 81
James Black,	
To 1½ days cutting thistles, etc., in State offices block .....	3 50
2¼ days cutting thistles, etc., in State offices block .....	4 50
L. M. Sullivan,	
To services as watchman at State offices, July, 1870	62 00
Wm. S. Utley,	
To amount of costs taxed against him in case of Ryerson Hills <i>et al. vs.</i> Wm. S. Utley, com- missioner (see Act No. 59, Laws 1867)....	72 50
S. R. Greene,	
To iron-work to fix flag pole.....	1 25
work, lumber, and nails for 2 cellar windows	3 25
11 days' work, @ \$1.75.....	19 25
13 days' work, @ \$2.50.....	32 50
16 days' work, @ \$1.50.....	24 00
paid tinner to fix water-spouts.....	2 50
work and zinc to fix matting.....	2 12
cash paid to mend table and chair.....	4 50
cash paid for 6 new locks, \$3.00, 30 keys \$1.50	4 50
cash paid for mason-work.....	5 50
12 lights glass.....	2 50
putty and setting.....	2 20
paid for mason-work.....	9 00
6 papers tacks.....	60
plank for walk and steps.....	53 10
800 feet scantling for walk.....	9 60
paid for drawing lumber, etc.....	2 50
110 lbs. nails, @ 5c.....	5 50
Amount carried forward.....	\$30,816 68



*State of Michigan**vs.**The State of Michigan.*

Amount brought forward.....	\$30,816 68
S. R. Greene,	
To 5 lbs. assorted nails.....	30
my work and time.....	20 00
W. S. George & Co.,	
To 683,908 ems comp. to and including page	
339, on compilation of laws relative to land	
office, @ 45c .....	307 75
86 tokens press-work on same.....	30 10

*September 8, 1870.*

Earl & Ranney,	
To 1 gal. kerosene oil.....	45
3 gals.   "   "   @ 45c.....	1 35
4   "   "   "   @ 45c.....	1 80
2 doz. No. 2 wicks, @ 20c.....	40
3   "   "   "   @ 20c .....	60
4 gals. kerosene oil.....	1 80
1 doz. boxes matches.....	1 20
paid Parkill & Co., for 2 gals. oil.....	90
S. R. Greene,	
To work on keys, locks, etc., for Legislature.....	2 00
cash paid for zinc, and work.....	40
help take up carpets.....	1 00
J. B. Hull,	
To constructing 24 rods sidewalk on east side of	
block 78.....	100 00
Amount carried forward.....	\$31,286 73

*State of Michigan**vs.**The State of Michigan.*

Amount brought forward.....	\$31,286 73
E. S. Porter,	
To services as clerk of Board of Control for month of August.....	4 17
services as sec'y of Board of Auditors for month of August.....	33 33
Bennie W. Bours,	
To services as messenger at State offices, month of August.....	31 00
Daniel S. Mevis,	
To services as porter at the Capitol during extra session, 15 days, @ \$1.75.....	26 25
Lemuel M. Sullivan,	
To services as watchman at State offices, month of August.....	62 00
John Nagel,	
To services as porter at State offices, month of August.....	62 00
washing 48 pieces, @ 5c.....	2 40
paid for lamp chimney.....	15
John Broad,	
To services as porter at Capitol, month of August washing 28 pieces, @ 5c.....	62 00 1 40
A. Lindsley,	
To services as porter at State Offices, month of August.....	62 00
State Treasurer,	
To paid Senate certificate No. 27, issued to Hon. C. B. Mills, for services as Senator at extra session—in excess of the appropriation ...	69 60
Amonnt carried forward.....	\$31,703 03

*State of Michigan**vs.**The State of Michigan.*

Amount brought forward.....	\$31,703 03
W. S. George & Co.,	
To print. yeas and nays for House.....	3 00
“ “ “ “ .....	1 50
“ “ “ Senate.....	1 50
“ 1 ream blanks for Senate.....	3 40
paper for same.....	2 50
print. order book—House.....	3 50
“ 1 ream blanks for Senate.....	3 40
paper for same.....	2 50
print 50 resolutions for Senate, on slips.....	2 00
“ 200 “ “ “ .....	5 00
“ yeas and nays—House.....	3 00
“ 3 reams circulars.....	10 20
paper for same.....	3 50
print. 3 reams blanks—Pros. Attorneys.....	10 20
paper for same.....	16 80
comp. on Opinion of Judges of Supreme Court, the People <i>ex rel.</i> the Detroit & Howell R. R. Co. <i>vs.</i> The Township of Sa- lem—83,104 ems, @ 45c .....	37 39
correcting alterations from copy on same.....	3 50
“ same on daily journal.....	2 00
28 tokens press-work on same.....	9 80
print. 2 reams covers for same.....	6 80
11,872 ems comp. on message, by order of the Governor .....	5 34
7 tokens press-work on same.....	2 45
print. 1 ream covers for same.....	3 40
Amount carried forward.....	\$31,845 71

*State of Michigan*  
*vs.*  
*The State of Michigan.*

Amount brought forward .....	\$31,845 71
W. S. George & Co.,	
To 115,920 ems comp. on Senate and House bills	
and joint resolutions, @ 25c.....	28 98
78 tokens press-work on same.....	27 30
643,244 ems comp. on Senate and House daily	
journal, @ 45c.....	289 45
480 tokens of press-work on same, @ 35c....	168 00
16 rms. flat cap paper for bills and resolutions	64 00
11,872 ems comp. on Governor's message,—	
order of Senate,—@ 45c.....	5 34
3 tokens press-work on same.....	1 05
printing slips of same for daily papers.....	1 00
7,912 ems comp. on "Act to amend R. R.	
law," @ 45c.....	3 57
4 tokens press-work on same.....	1 40
print. 3 rms. covers for laws 1870.....	10 20
40,888 ems comp on laws 1870.....	18 40
15 tokens press-work on same, @ 35c.....	5 25
printing 3 rms. covers for same.....	10 20
29,900 ems comp. on index to compilation of	
Land Office laws, @ 45c.....	13 46
2 tokens press-work on same.....	70
folding 103,000 sigs., daily journals, @ 5c....	51 50
stitching 20,800 numbers same.....	52 00
folding 500 Senate joint resolutions.....	25
furnishing paste for use of Legislature 13 days	5 00
"    wrappers, addressing, and mailing,	
with stamps, on the daily journal for 13	
days (250 copies per day).....	26 00
folding 1,500 sigs., Governor's message.....	75
Amount carried forward.....	\$32,629 51

*State of Michigan*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$32,629 51
W. S. George & Co.,	
To stitching 1,500 numbers Governor's message	1 50
trim. and cover 400 same.....	4 00
printing 100 in wrappers.....	50
trim. 1,100 messages.....	2 75
dry. and press. 5,600 sigs., Opinions Sup. Court	2 52
folding 5,600           "       "       "       "	2 80
stitching 800 pamphlets.....	1 60
trim. and cover 800 pamphlets.....	8 00
press. and trim. 3 rms., pros. atty's returns...	1 35
ruling 3 rms. 4 times.....	5 40
trimming 16 rms. paper for bills.....	3 20
dry. and press. 1,500 sigs., session laws 1870..	68
folding 1,500 session laws 1870.....	75
stitching 500 covers, session laws 1870.....	75
cover and trim. 500 same.....	5 00

*October 5, 1870.*

P. L. Daniels & Co.,	
To ice for State offices and Capitol, for season 1870	45 00
John Broad,	
To services as porter at Capitol, month of Sept...	60 00
washing 30 pieces, @ 5c.....	1 50
A. Lindsley,	
To services as porter at State offices, month of	
Sept.....	60 00
Lemuel M. Sullivan,	
To services as watchman at State offices, month	
of Sept.....	60 00
Amount carried forward.....	\$32,876 81

*State of Michigan*  
*vs.*  
*The State of Michigan.*

Amount brought forward.....	\$32,876 81
John Nagel,	
To services as porter at State offices, month of Sept.....	60 00
washing 48 pieces, @ 5c.....	2 40
State Treasurer,	
To paid for telegraphing.....	7 50
P. W. Van Dorn,	
To repairing cistern pump.....	4 00
James Shearer,	
To expenses and time in visiting Flint to esti- mate cost of completing Asylum for Deaf, Dumb and Blind.....	12 50
Bennie W. Bours,	
To services as messenger for State offices, month of September.....	30 00
R. Reese,	
To cleaning well.....	3 00
"        cistern.....	5 00
W. S. George & Co.,	
To 170,960 ems comp. on session laws, etc., 1870, @ 45c.....	76 93
504 tokens press-work on same, @ 35c.....	176 40
extra proof-reading and correcting altera- tions, \$5 00; 610,944 ems comp. on official journals, House and Senate, @ 20c.....	127 18
138 tokens press-work on same, @ 35c.....	48 30
78,540 ems comp. on index to House and Sen- ate journals, @ 45c.....	35 34
Amount carried forward.....	\$33,465 36

*State of Michigan*  
*vs*  
*The State of Michigan.*

Amount brought forward .....	\$33,465 36
Pease & Smith,	
To 10 rms. 25-lb. cover (tea), @ \$8.00 .....	\$80 00
3 rms. cover, @ \$8.00 .....	24 00
12 rms. 25-lb. cover paper, @ \$8.00 .....	96 00

*October 26, 1870.*

W. S. George & Co.,	
To dry. and press. 13,500 sigs., House journal, @	
4½c .....	6 07
folding same .....	6 75
binding 500 copies same, @ 20c .....	100 00
dry. and press. 9,500 sigs., Senate journal, @	
4½c .....	4 27
folding same, @ 5c .....	4 75
binding 500 same, @ 20c .....	100 00
dry. and press. 140,000 sigs., session laws 1870.	
@ 4½c .....	63 00
folding same, @ 5c .....	70 00
binding 5,000 same, @ 20c .....	1,000 00
John Broad,	
To services as porter at Capitol, month of October	62 00
washing 28 pieces, @ 5c .....	1 40
paid for carting books .....	50
Lemuel M. Sullivan,	
To services as watchman at State offices, month	
of October .....	62 00
Amount carried forward .....	\$35,146 10

*State of Michigan*  
*vs.*  
*The State of Michigan.*

Amount brought forward .....	\$35,146 10
<b>A. Lindsley,</b>	
To services as porter at State offices, month of October .....	62 00
<b>John Nagel,</b>	
To services as porter at Auditor General and Treasurer's offices, month of October, ....	62 00
washing 52 pieces, @ 5c .....	2 60
<b>S. R. Greene,</b>	
To 4 days' work of carpenters, to take down chimney and make staging, etc., for new, @ \$2.50 .....	10 00
lumber for staging, etc., \$3.00; draying for lumber and ladders, \$1.00 .....	4 00
nails 25c; my work and time \$5.00 .....	5 25
cash paid for brick \$7.00, mortar \$5.00, mason-work \$17.00 .....	29 00
2½ days' labor to clean mortar and brick from garret, etc., @ \$1.75 .....	3 94
¾ day to help clean carpets .....	1 31
<b>Bennie W. Bours,</b>	
To services as messenger at State offices, for Oct.	31 00
<b>Grove &amp; Whitney,</b>	
To 1 axe and helve for State offices .....	1 90

November 30, 1870.

<b>Bennie W. Bours,</b>	
To services as messenger at State offices for Nov.	30 00
Amount carried forward .....	\$35,389 10



*State of Michigan.**vs.**The State of Michigan.*

Amount brought forward .....	\$35,389 10
John Goetz,	
To 3½ days' work hauling wood into basement at State offices, @ \$1.75 per day .....	6 13
G. Berner,	
To 1 day mason-work .....	4 00
1 " laborer .....	2 00
4 bush. mortar .....	2 00
hauling same .....	50
½ day mason-work .....	2 00
½ day laborer .....	1 00
100 brick .....	1 00
hauling .....	50
The following accounts for advertising notice of the closing of St. Mary's Falls Ship Canal were presented, duly certified to, and allowed, as follows, to wit:	
Cleveland Leader Printing Co., allowed at \$3.00 .....	3 00
Chicago Tribune Co., " " 5.00 .....	5 00
Pittsburgh Commercial, " " 2.00 .....	2 00
Mining Journal, " " 4.20 .....	4 20
Portage Lake Mining Gazette, " " 3.50 .....	3 50
Chicago Republican, " " 4.00 .....	4 00
Milwaukee Publishing Co., " " 9.00 .....	9 00
Fairbanks, Benedict & Co., " " 3.40 .....	3 40
Detroit Free Press Co., " " 4.20 .....	4 20
John Broad,	
To services as porter at the Capitol, for Novem- ber .....	60 00
washing 24 pieces, @ 5c .....	1 20
Amount carried forward .....	\$35,507 73

*State of Michigan.**vs.**The State of Michigan.*

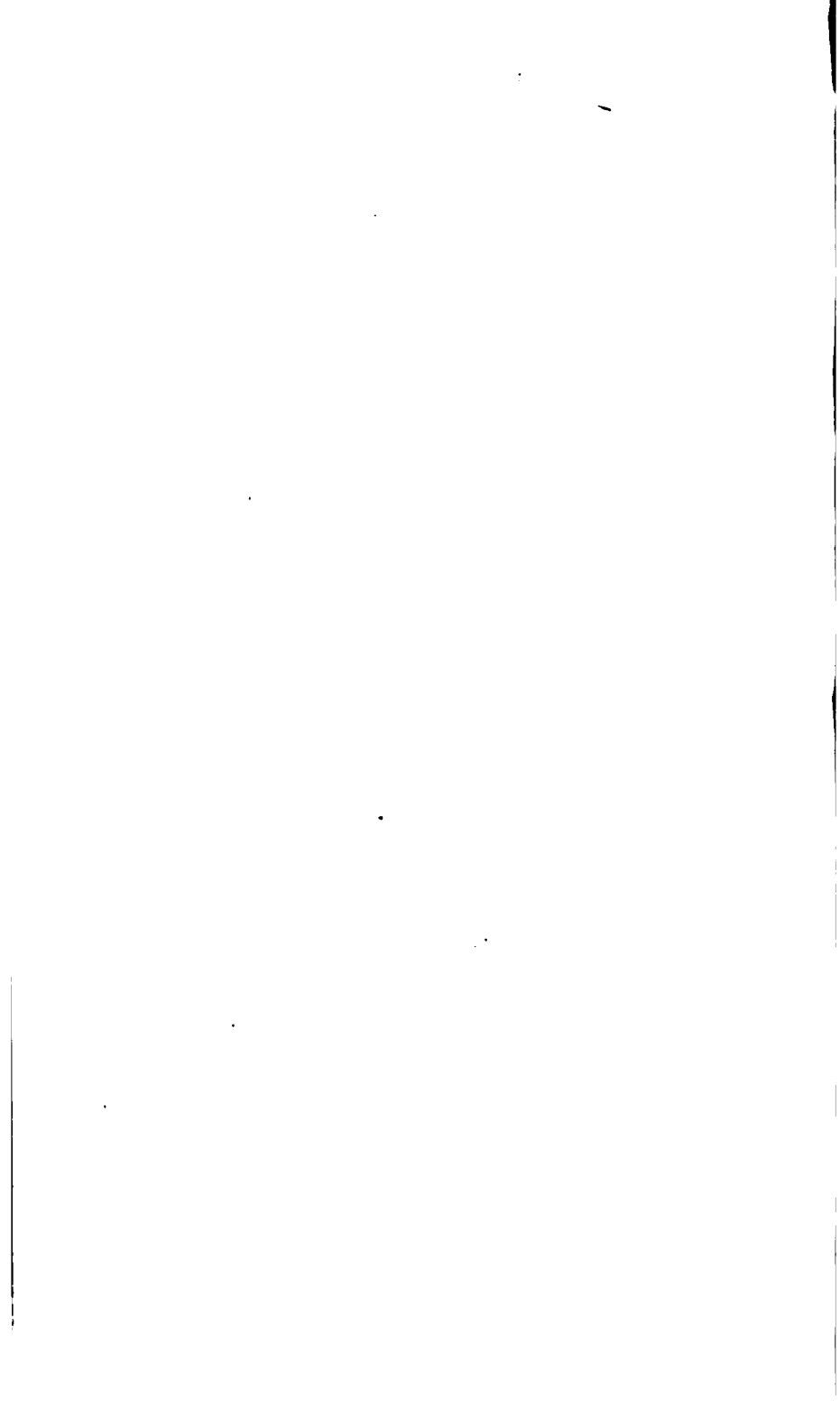
Amount brought forward .....	\$35,507 73
John Nagel,	
To services as porter at Auditor General and State Treasurer's offices, November.....	60 00
washing 48 pieces, @ 5c .....	2 40
Lemuel M. Sullivan,	
To services as watchman at State offices, Nov...	60 00
A. Lindsley,	
To services as porter at State offices, November..	60 00
John Gates,	
To sawing 4½ cords wood, twice, @ \$1.25 per cord	5 63
John Mason,	
To sawing 2 cords wood and wheeling same into cellar .....	2 25
First National Bank of Sturgis,	
To costs in case of First National Bank of Stur- gis <i>vs.</i> Wm. M. Watkins, sheriff, to wit:	
costs in Circuit Court.....	36 50
" " Supreme Court.....	38 00
" A. E. Cowles, clerk of Supreme Court..	3 50
Hovey K. Clarke,	
To cash paid clerk of Supreme Court for copies of orders made by Supreme Court in case of The People <i>ex rel.</i> , the Att'y Gen'l <i>vs.</i> Ætna L. S. F. & T. Ins. Co.,.....	2 00
W. S. George & Co.,	
To binding 5,000 session laws 1870, @ 20c.....	1,000 00
1,069,954 ems comp. on reprint of Territorial Laws, from page 1 to 512, @ 45c.....	481 48
320 tokens press-work on same, @ 35c.....	112 00
Amount carried forward .....	\$37,371 49

*State of Michigan**vs.**The State of Michigan.*

Amount brought forward.....	\$37,371 49
W. S. George & Co.,	
To 322,208 ems comp. on compilation of R. R.	
report by Auditor General, from page 1 to	
208, inclusive, @ 45c.....	144 99
extra proof-reading and correcting alterations	
from copy.....	7 00
286 tokens press-work on same, @ 35c.....	100 10
M. A. Hewitt,	
To services as clerk Board of Control (S. L. S.	
R.) October and November.....	8 33
services as sec'y Board of State Auditors,	
October and November.....	66 66
copying records of S. L. S. roads, 421 folios,	
@ 10c.....	42 10
Brisbin & Conely,	
To 48½ gals. carbon oil, @ 28c.....	13 58
Grove & Whitney,	
To 10 lbs. nails for State offices, @ 5½c.....	55
1 oil can.....	75
Dart & Davis,	
To 1 chimney top.....	18 00
10 lbs. nails.....	60
S. R. Greene,	
To 2 days' work repairing cellar door and stairs,	
at State offices.....	5 50
78 feet plank, \$1.17; dray, 25c; nails and	
glass, 25c.....	1 67
4 days' work to repair windows, sash, etc., at	
State offices, @ \$2.50.....	10 00
1 cord, 44c; 3 lights glass, @ 50c, \$1.50.....	1 94
Amount carried forward.....	\$37,793 26

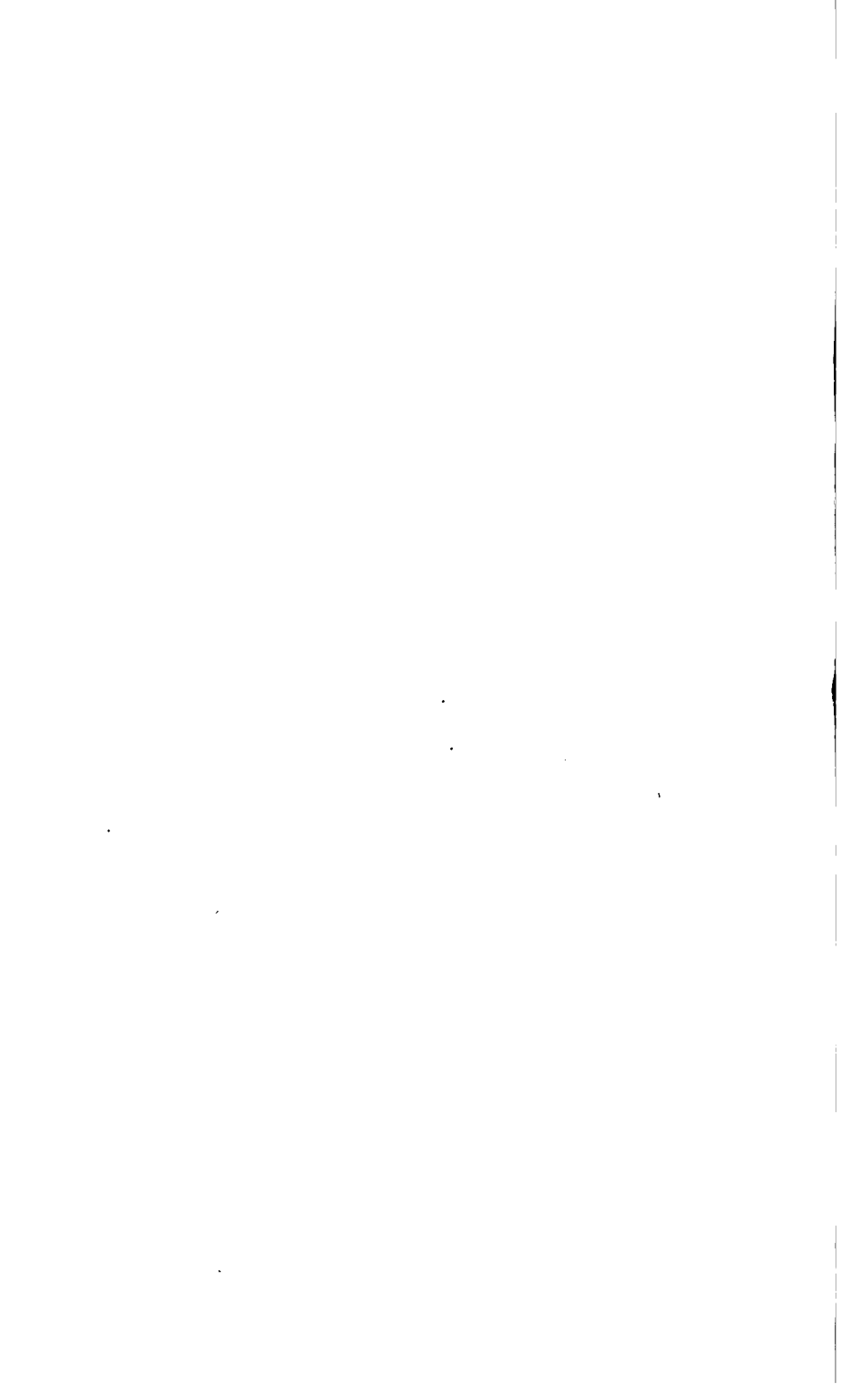
*State of Michigan.**vs.**The State of Michigan.*

Amount brought forward .....	\$37,793 26
Davis & Larned,	
To 1 lamp for porter's room at Capitol .....	1 00
Pease & Smith,	
To 25 rms. heavy col'd medium, @ \$12.00 .....	300 00
54 " 24 x 36 S. S. & C. book, @ \$8.35 .....	450 90
60 " " " " " " @ 8.35 .....	501 00
50 " " " " " " @ 8.35 .....	417 50
36½ " " " " " " @ 8.35 .....	302 69
John J. Leonard, B. Vernor, and A. C. Blodget,	
To 3 days' services examining laws and titles,	
in Lapeer county, mortgaged to Ætna L.	
S. F. & T. Ins. Co., by H. Hart, @ \$5.00	
per day .....	15 00
traveling expenses .....	11 50
commissioner's charges—	
B. Vernor, 4 days, @ \$5.00 .....	20 00
A. C. Blodget, 4 days, @ \$5.00 .....	20 00
" " cash expenses .....	10 00
Total .....	<u>\$39,842 85</u>



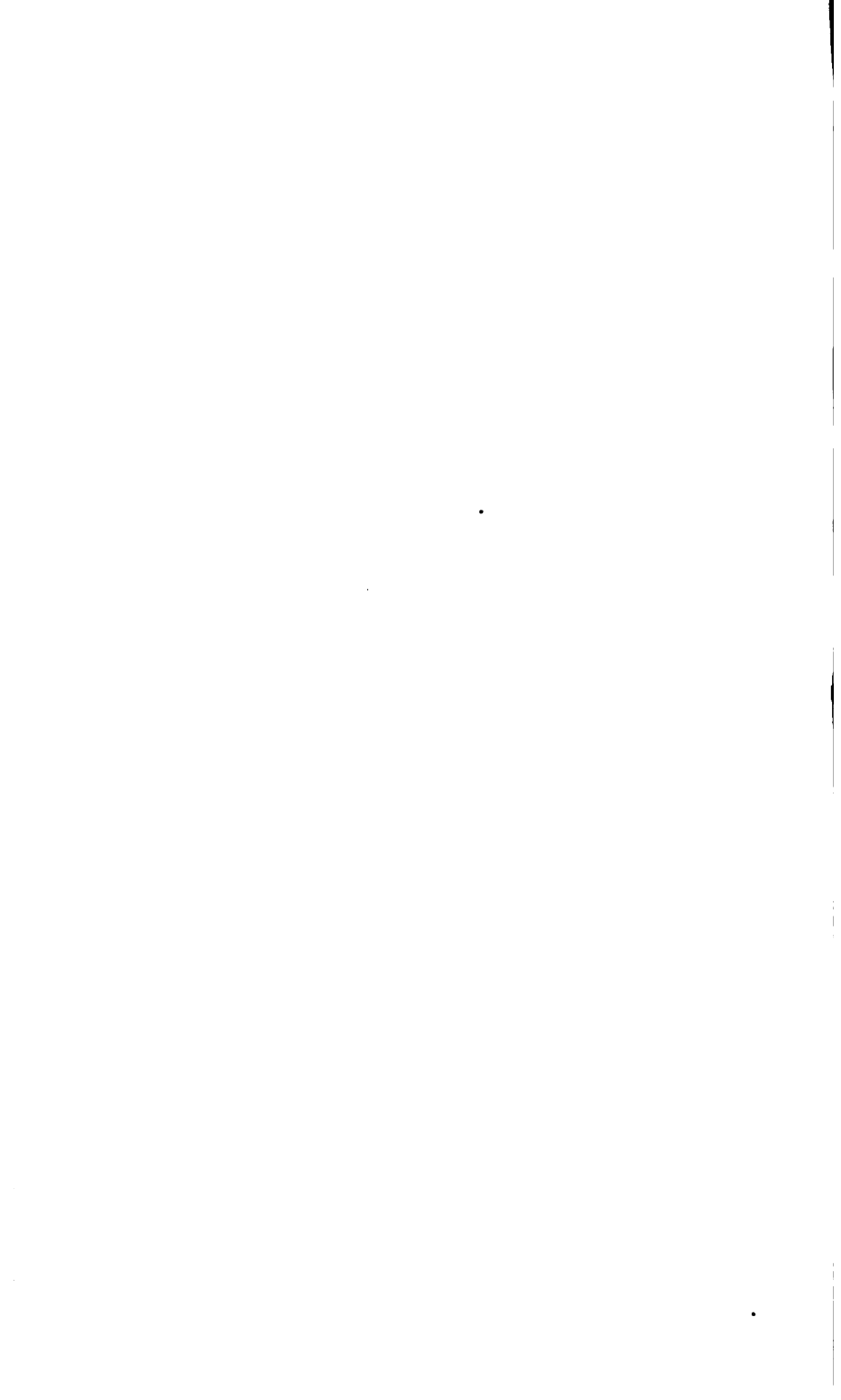
## RECAPITULATION.

Executive Department <i>vs.</i> The State of Michigan,	\$404 95
Secretary of State <i>vs.</i> The State of Michigan, \$8,- 517 53, minus item on page 13 of *\$3,952 00 carried to account of State of Michigan.....	4,565 53
Auditor General <i>vs.</i> The State of Michigan.....	8,839 43
State Land Office <i>vs.</i> The State of Michigan.....	2,436 98
State Treasurer <i>vs.</i> The State of Michigan.....	2,543 15
Attorney General <i>vs.</i> The State of Michigan.....	463 18
Superintendent of Public Instruction <i>vs.</i> The State of Michigan.....	2,659 34
State Library <i>vs.</i> The State of Michigan.....	359 37
Swamp Land State Road Commissioner <i>vs.</i> The State of Michigan.....	1,286 33
Upper Peninsula S. L. S. R. Commissioner <i>vs.</i> The State of Michigan.....	526 32
Supreme Court <i>vs.</i> The State of Michigan.....	103 20
Reform School <i>vs.</i> The State of Michigan.....	51,769 61
State Prison <i>vs.</i> The State of Michigan.....	127 67
Agricultural College <i>vs.</i> The State of Michigan...	3,572 13
State of Michigan <i>vs.</i> The State of Michigan, \$39,842 85, plus item on page 13 of *\$3,952, brought from account of Secretary of State....	\$43,794 85
 Total.....	 <hr/> \$123,452 04 <hr/>

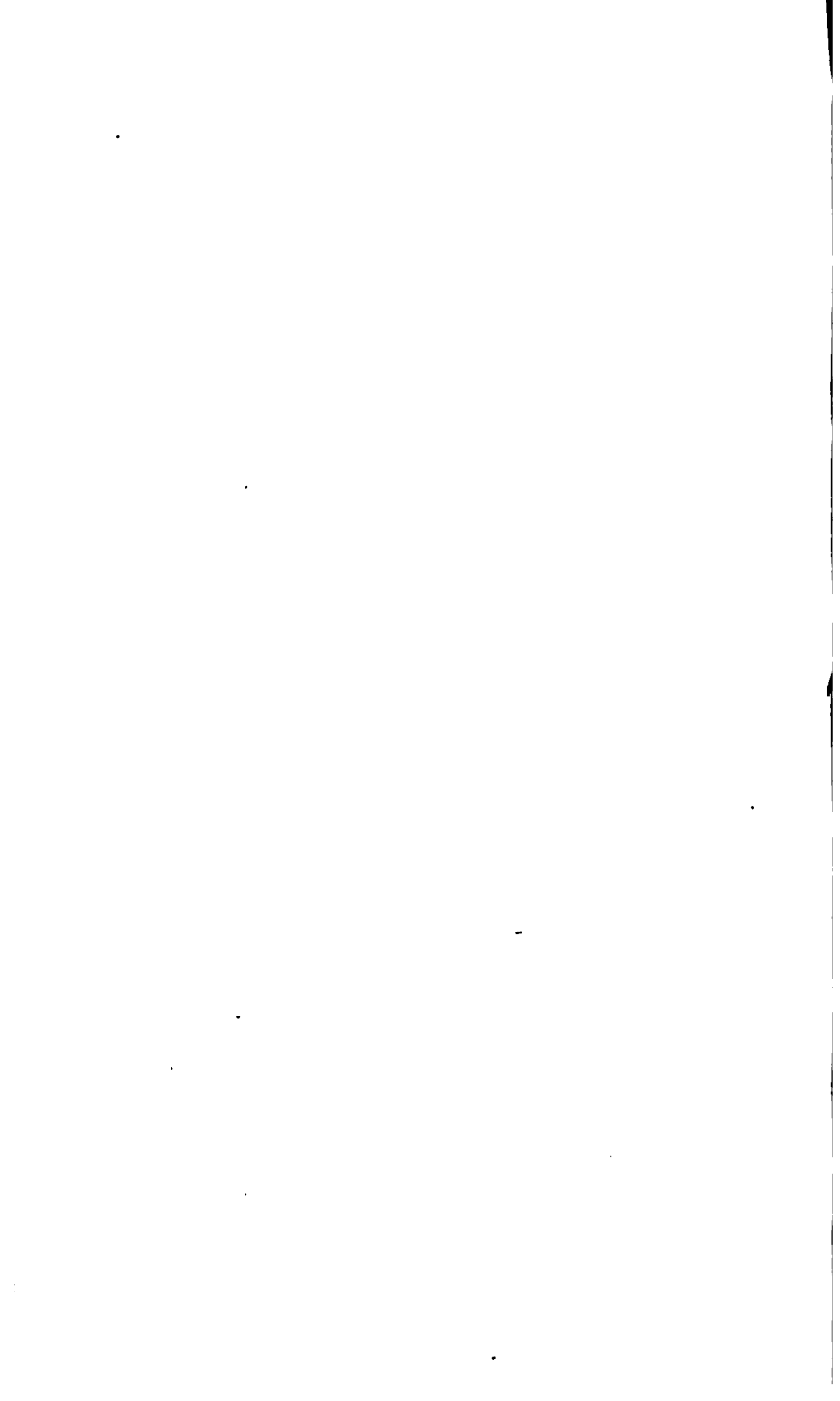












REPORT  
OF THE  
*Special Commissioners*  
TO EXAMINE THE  
PENAL, REFORMATORY, AND CHARITABLE INSTITUTIONS  
OF THE  
STATE OF MICHIGAN.

---

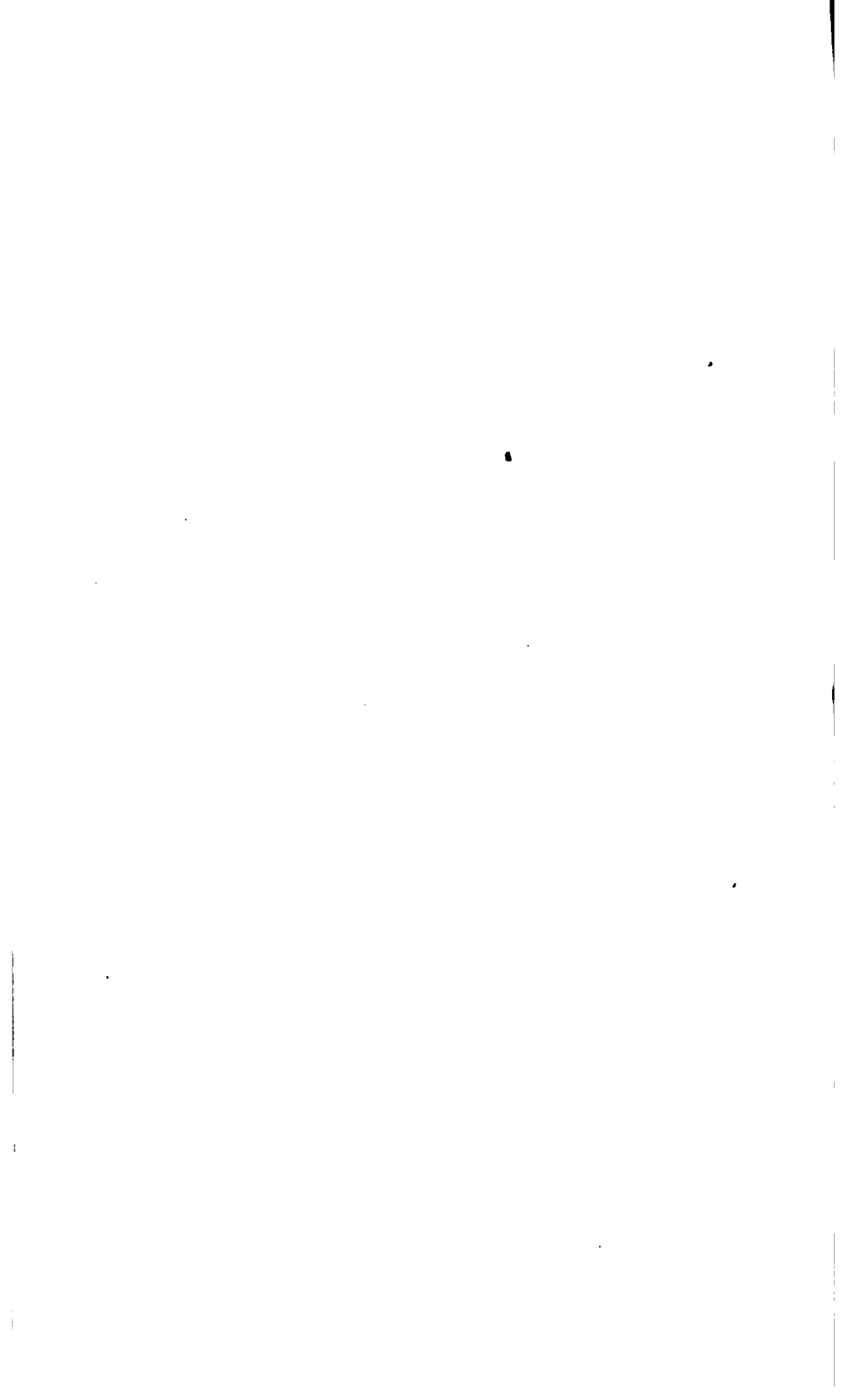


---

BY AUTHORITY.

---

LANSING:  
W. S. GEORGE & CO., PRINTERS TO THE STATE.  
1871.



# REPORT.

---

TO HIS EXCELLENCY HENRY P. BALDWIN,

*Governor of the State of Michigan :*

The undersigned, Commissioners appointed by your Excellency under joint resolutions of the Senate and House of Representatives, approved April 3d, A. D. 1869, to examine the discipline and general management of the penal, reformatory, and charitable institutions of the State, and report plans and recommendations for their improvement, beg leave to report :

That soon after our appointment we entered upon the discharge of our duties, and from time to time, ever since, we have been engaged in the performance thereof. These duties have occupied a much larger share of our time than we anticipated, and much more time than we have given to them could profitably have been bestowed.

The field of inquiry marked out for us was a very broad one, requiring extended investigations both at home and abroad, a large intercourse with persons who have charge of or are interested in institutions of a similar character, a very considerable reading, and full consideration.

While we have a full consciousness that we have not accomplished all that ought to have been accomplished, nor done what we have done as well as it ought to have been done, we have done the best that we could without giving to the subject much more time than it was possible for us to give, or than was expected of us by the Legislature or your Excellency.

We have visited a large number of jails and alms-houses in our own State, including some in the older and richer counties

and some of the new and poorer ones, and have seen some of the best and some of the worst of both these classes of institutions to be found within our limits. There may be some exceptionally good or exceptionally bad, that we have not seen, but we have seen enough to judge accurately of their general condition, their prevailing defects and merits, and the reforms which are needed.

We have all visited the State Prison at Jackson, the Reform School at Lansing, and the House of Correction at Detroit, and most of us have visited these institutions several times. We have also visited the Asylum for the Insane at Kalamazoo, and the Institution for the Blind, and Deaf and Dumb, at Flint.

We have also visited institutions in the States of Ohio, Illinois, New York, Massachusetts, and Rhode Island, although in some instances we have not all visited the same institutions.

We have taken especial pains to see and converse largely with men who have acquired experience, skill, and reputation in the management or supervision of like institutions in our own and other States, and also with eminent philanthropists who have made this whole subject of the prevention and treatment of crime, vagrancy, pauperism, insanity, and imbecility a profound study.

We have also carefully read and considered a large number of reports, essays, and volumes bearing upon these subjects, many of which are of great and everywhere acknowledged merit.

We have thus endeavored to fit ourselves for the performance of the duties imposed upon us by the Joint Resolution of the Legislature, or pointing out existing defects in our present institutions, and recommending such improvements as we think should be made therein; and making such further recommendations connected with this subject as to the Board may seem proper.

## CONDITION OF OUR COUNTY JAILS.

Ours has been the experience of all who have undertaken to examine the actual condition of county jails, whether in this or in other States.

Their condition is wretched beyond all power of description, and beyond all conception of those who have not had the experience of their own senses in the matter.

There are, of course, marked differences in the condition of the jails; some few, *a very few*, are subject only in a slight degree to the sanitary objections made, but we speak of their condition in general. Some of the worst jails are in the oldest and wealthiest counties.

The defects in them are not owing so much to the manner in which they are kept, as to inherent defects in their construction, their dilapidated condition, and a fatal vice in the common-jail system.

For the most part, our sheriffs are both humane and competent men, and as a general rule the prisoners are well fed, and treated with a reasonable degree of personal kindness.

## FIRST—OF SANITARY DEFECTS.

It is an acknowledged fact that light and fresh air in generous measure are absolutely essential to a healthful condition of both mind and body. For the most part, our jails seem ingeniously constructed to exclude as much of these essential elements of health as is possible without destroying life.

Nor is any proper provision made for cleanliness of person. Many prisoners come to the jails filthy in person and in clothing. They are thrust into long, narrow, dimly-lighted, badly-ventilated corridors, from which open the cells. There are no bathing requirements or facilities, and prisoners are not always required even to wash their hands and faces. This corridor is used as the sitting and eating room of all the prisoners, clean and unclean, and is often also the privy and water-



closet of all; and if not, the privy is closely adjoining, and the corridor is filled with its fetid and sickening odor.

The cells are very small, usually not exceeding in size four or five feet by eight, and seven feet in height; without ventilating flues, and with absolutely no light or air except such as steals through the iron grates of the narrow doors opening into the corridors. No breath of pure, fresh air ever reaches the inmates. Yet in these cells, alive with vermin, poisoned with the stagnant, fetid air, the prisoners spend one half of their time; and when too sick to creep out into the corridor, the whole of it.

The jails are crowded to excess: Thus the Calhoun County jail, which was built to accommodate eight prisoners, sometimes contain twenty inmates. Two, and sometimes three, are put into a single cell, and a corridor not large enough to accommodate half a dozen is the living and eating room of a score of prisoners. The heating arrangements are often most defective and insecure, and the corridors are little to be preferred to the cells. As a rule, continued good health is impossible under such circumstances, and Mr. Bingham, the Agent of the State Prison, informs us that those convicts that come from a long confinement in our county jails usually come in a very bad sanitary condition, and actually recruit under the discipline of the State Prison.

The larger proportion of the persons confined in our county jails are confined awaiting trial, and they are often detained month after month. They are not convicts, and the law presumes them innocent. Experience shows that a portion of them *are* innocent of the crimes with which they are charged, while a much larger portion of them are never convicted.

The power to arrest and detain persons charged with crimes is one essential to the public good, but it is one that is often abused by the malice of accusers and the reckless carelessness or corruption of officers; and innocent persons are not unfrequently the victims. But we submit that whatever right the State may have to punish convicts by depriving them of

sunlight and pure air, thus destroying health of body and mind by such incarceration, it has *no* right thus to treat persons who are simply accused of crime and are awaiting trial. *They*, at least, are entitled to such of the decencies and ordinary comforts of life as may be consistent with safe detention.

#### SECOND—MORAL CONDITION.

The moral condition of our jails is infinitely worse than their sanitary condition, and after a full examination and careful consideration, we have come to the clear and painful conviction, that they are the very hot-beds and nurseries of vice and crime, and that the State is directly responsible for a large share of the crime which it seeks to punish.

The general plan upon which jails are constructed is that of corridors, with cells opening therefrom. The prisoners are locked in their cells at night, but during the day they congregate in the corridors, without employment, and without oversight or restriction as to intercourse. There is no separation of the convicts from persons merely accused of crime. Here, often, are gathered those old and hardened in villainy, lost to shame, proud and boastful of their crimes; those who have committed their first crime, under the influence of some strong temptation; those who have committed some venial offense while under the influence of intoxicating liquors or some sudden passion; mere children, new in the paths of vice; those who are accused, but are entirely innocent of any crime; and those who are arrested on civil process and are unable to find bail.

If the wisdom of the State had been exercised to devise a school of crime, it would have been difficult to devise a more efficient one. Here are the competent teachers, the tractable pupils, the largest opportunities for instruction, with nothing to distract attention from the lessons. Those merely accused, and those guilty of a first offense, however venial, are taught that the mere fact of an imprisonment has shut them out from all the avenues of respectable industry; that there is no

hope in that direction ; that society has become their enemy : and that the only course open to them is to become the enemy of society. They are taught how to do this most effectually. and that the chance of detection and punishment decreases just as one becomes skillful in crime ; and all the arts, devices, and exploits of the experts are taught in detail to listening and wondering ears, who soon learn to admire the audacity and skill described, and to long to imitate and excel such display of them.

Gambling is a common amusement, and the tricks of professional gamblers are learned. The jails are often so arranged that the male prisoners can converse with female prisoners. and occasional access to the rooms of the latter has been obtained.

The insecurity of the jail often tempts to efforts and conspiracies to escape.

As a rule, the prisoners have access to no books, no efforts of any kind are made for their intellectual or moral improvement. and no interest is shown in their welfare, unless occasionally some clergyman, like the Rev. Dr. Gillespie, of Ann Arbor, in the spirit of the Master, makes the jail and its inmates a part of his field of labor.

Can it be wondered at that the universal experience is, that this treatment tends to make men criminals instead of reforming them? These evils are not peculiar to our own State. They exist elsewhere, and all who have turned their thoughtful attention to the subject, whether as practical men or philanthropists, unite in the opinion that our present county-jail system is an unmitigated evil, and ought to be abated.

The State has no right, under any pretext, to compel any portion of its citizens to such ruinous associations. If it does not reform its prisoners, it should not corrupt them, and then punish them for the very corruption it has wrought out.

What reform should be made will be considered in another portion of this report.

## OUR POOR-HOUSES.

Like our jails, our poor-houses are in the main administered by kindly and humane men, and the manifold evils which exist spring rather from want of intelligent consideration, the want of proper supervision, and the inherent defects of the system under which these charities are administered, than from any want of humanity.

The duty of every community to care for its own poor, worthy or unworthy, is clearly recognized in every Christian community, and at this day it needs no argument to make that duty plain. This duty should be performed so as to lessen, and as far as possible prevent pauperism and crime. It should be so performed as to do no moral or physical injury to those it attempts to relieve, but, on the contrary, to do them good.

### BUILDINGS.

It is difficult to generalize upon the condition of the houses in which the poor are kept. Some buildings are good, and reasonably suitable for the purpose for which they are used. Others are most unsuitable in their construction, and others in a most dilapidated condition, needing thorough repair, or to be torn down. The general complaint of superintendents and keepers is, that the board of supervisors do not grant them sufficient means for putting or keeping them in a proper condition.

### VENTILATION AND CLEANLINESS.

Most of our poor-houses are utterly deficient in any proper system of ventilation. The ventilation by windows and doors does very well for family households, but as applied to large, crowded rooms, as some rooms in a poor-house often are, and filled with such persons as occupy them, it is utterly defective. The atmosphere becomes laden with offensive odors, and the very walls become impregnated by them. Living in such

rooms must inevitably be greatly prejudicial to health, and must send many inmates to the hospital.

There is, too, for the most part, an utter want of bathing facilities and requirements. In some counties a washtub is furnished, and inmates are required to bathe the whole person weekly, but this is not generally the case. We found no bathing tubs, and no generous supply of water. When the character and number of inmates is considered, the importance of this subject is very great, and the neglect is a very culpable one, affecting health, decency, and morals.

#### HOSPITALS AND MEDICAL ATTENDANCE.

In very few of the poor-houses are there any suitable hospital arrangements. Where there are rooms assigned for hospitals, they are for the most part unfit for such use, and are often crowded to excess.

In some of them thus crowded we found the air exceedingly offensive, and the rooms made thereby utterly unfit for human habitation. The wonder was, not that the sick did not get well, but that the well who came in to them did not get sick. When the number of sick to be found in such institutions is considered, this want of hospital accommodations is a very pressing one. In this connection the want of proper medical attendance may be mentioned. This want, however, we infer from the salaries paid, for we had little opportunity to form an opinion. Thus the rich county of Washtenaw, with over one hundred inhabitants in the poor-house, and nineteen of them insane, pays forty-five dollars a year to a physician, who furnishes his own medicines. This is not, however, a fair illustration, as many of the counties pay more liberally, with a smaller number of inmates. Jackson county pays one hundred dollars: Calhoun eighty, and half the charge in surgical cases in addition. But in few cases do the counties pay such a sum as would be a very meager compensation for a physician who can command a good practice, and no other ought to be employed, whether reference be had to the demands of humanity or of a

true economy. The classes of disease met with in poor-houses require to be dealt with by men of skill and experience, and by such treatment the chances are greatly increased of an early convalescence, and the consequent relief of the county from further expense.

Such men, too, can more readily detect the attempts at imposition by shamming sickness,—attempts not unfrequently made. We can hardly conceive it possible that poor-houses can be well served when such beggarly salaries are paid to physicians.

#### CLASSIFICATION OF INMATES.

The two great causes of pauperism, as of crime, are drunkenness and licentiousness. Hence, in most poor-houses a large proportion of the inmates have been brought there by the drunkenness or lewdness of themselves or their parents, or those upon whom they are dependent.

The immediate victims of these vices of both sexes, as found in poor-houses, are usually degraded, debased, and thoroughly corrupted both in mind and body, and utterly unfit for any association with the comparatively pure. Besides these, there are found others, who, from lives of criminal or vicious indulgences, are fit companions for the drunken and the lewd.

While these classes in some instances constitute the majority of those found in our alms-houses, there are other and entirely different classes who are largely represented therein.

There are those who, from old age, accident, disease, or infirmity, and without fault of their own, are unable to support themselves, and are driven to the poor-house. There are weak-minded and imbecile persons, and idiots, and the incurable insane; some harmless and some not. Then, there are children, some young and helpless, and others of such an age that their characters are becoming rapidly formed, and who are receiving life-long impressions that must shape their whole being.

The mingling of all these classes together can only result in unmixed evil.

The forced association of the good with the bad degenerates and corrupts the former, without improving the latter.

Most of our poor-houses are so constructed that no proper separation and classification of the inmates is possible. In some of the largest ones it could be done, and to some extent it is done, although very imperfectly. In the smaller ones the very paucity of numbers makes classification impracticable.

The result is, that the unfortunate are forced to mingle with the vicious and degraded in the same rooms, and in all the daily employments and associations of life. Professional prostitutes from the cities associate with the weak and innocent girl whom sickness has sent to this last refuge of poverty. Innocent children mingle with the corrupt and vile of both sexes, thus taking their first lessons in vice, receiving an education for a life of pauperism and crime. Thus in Wayne county, where we visited the poor-house, there were over twenty children old enough to go to school, and who for four hours attended a very good school, but for the rest of the time mingled without restraint with the various inmates, many of whom were exceedingly vile in more senses than one.

#### LABOR AND DISCIPLINE.

We take it to be the settled conviction of all thoughtful persons who have made the treatment of pauperism a study. that all inmates of poor-houses should be sternly required to work to the extent of their ability; and this is not merely with reference to the direct benefit which the public may derive from that labor, but with reference to the moral and physical welfare of the inmates themselves, to the general order and discipline of the institution, and also with reference to driving from it all who can work and will not.

In general, the poor-house should be either a work-house or a hospital, or both in one, and all who are not fit subjects for the hospital should be required to work; work regularly and

systematically, and this whether they can accomplish much or little. This, of course, does not apply to those who are too young or too old to work, and yet not sick. There is no such foe to order and morality as idleness, this prolific parent of all vice, and there is no duty upon the part of the public to support any one in idleness who can work. There is also a well-recognized moral power in work, as an element both in the building up and the reformation of character, and discipline and order cannot well be enforced without it.

From our examinations and inquiries we are satisfied that a great reformation, both in the matter of labor and discipline, is needed. To some extent, and in some poor-houses to a considerable extent, the inmates do work. The women who are able, work about house, help to take care of the sick and helpless, and sew for the establishment; and able-bodied men work on the farm. But there are in most poor-houses a class of men, and in the aggregate a considerable number, who cannot work much on a farm, and yet who could work very considerably at some kind of mechanical or other labor in shops, and especially is this the case in the winter season, when the numbers are the largest and there is little on the farm to be done, and when the order that comes from work is most essential. There is unquestionably a great practical and economical difficulty, under our present system, of introducing mechanical labor into our poor-houses. The number that can be thus employed in each poor-house is so limited, that it would not authorize the needful expense of tools, machinery, instructors and supervision. That the power of labor in the inmates of our poor-houses, whatever it is, should be utilized to the utmost that it can be consistently with their welfare, is required by every consideration of humanity, economy, good order and good morals. How the reform can be best introduced, we will hereafter consider.

#### EDUCATION — MORAL AND INTELLECTUAL.

The law wisely requires that the children in the poor-houses over five and under eighteen shall be educated, and where



and keenly felt the inhumanity of this treatment, but his duties in managing the farm and caring for the general welfare of the institution were very arduous, demanding his entire time and thought. He was entirely unacquainted with the management of the insane, was supplied with insufficient assistance, and there were no other rooms in the buildings where these poor creatures could be kept.

There is no room to doubt, that if these persons, and others similarly situated, were in an asylum for the insane, they could, by proper treatment, be taught the decencies of life, and that their condition would in every respect be greatly ameliorated.

In Kent county, we found in the poor-house twenty insane persons and nine idiots, all in the most deplorable condition, and presenting a most revolting spectacle.

In Allegan county, one poor insane woman was found in a condition where her suffering from cold must have been intense.

In Oakland county, where the poor-house is a new, large, roomy building, there are good rooms for the insane, but unfortunately there are no proper means of warming them.

In Wayne and Washtenaw counties they have erected separate buildings for the insane. In this way, unquestionably, better and healthier rooms are secured to them; but after a careful examination and consideration, we are clearly of the opinion that the attempt to treat the insane in county poor-houses is a sad, melancholy failure, and must continue to be so.

The successful treatment of the insane, whether for mere custody or for cure, is a science by itself. To fit one for such treatment requires, in addition to a natural fitness, careful medical and other instruction, much study, and large experience.

These qualifications can only be secured by good salaries and the prospect of a permanent situation. That the ordi-

nary keepers of poor-houses are utterly unfit for such a position will be readily admitted. The counties which have built or may build separate buildings for the insane cannot afford to, and certainly will not, employ competent men to take charge of them. The number of inmates is, and will be too small, and the expense too great to justify it. Beyond all question the two hundred and more insane paupers now in the asylum for them can be treated much more advantageously and far more economically in one institution, and under one supervision, than they can possibly be treated in the several poor-houses, if they are properly treated.

Wayne county, the most populous one in the State, with a far greater number of insane paupers than any other, has tried the experiment of a separate building and supervision, under the most favorable circumstances, and it has proved a lamentable failure. The building, though costing about \$21,000, is unfit for the purpose, as any building must measurably be, that any county in this State will undertake to build. There is a great want of separate rooms for the treatment of exceptional cases and of the sick.

The cells designed for the refractory and violent are in the basement, without light or ventilation except through a grated opening in the doors, and are utterly without the means of being warmed.

But the great failure thus far has been, and we think will be, the want of proper care and supervision.

The first keeper appointed was utterly unfit for the place, and his treatment of some of the inmates was at times exceedingly brutal. The second retained his place but for a few weeks, being found incompetent for a proper discharge of his duties. And such must be the case with any that the counties will be likely to employ, or can employ, at the salaries which they will pay.

Nor are the Superintendents of the Poor, as a rule, in our

opinion, the best men to select and employ such officers, or supervise such institutions.

#### OUR PAUPER SYSTEM EXPENSES.

Our examination and inquiries have satisfied us that our pauper system, as it now exists and is administered, is a very expensive one, and we shall in another connection refer to this feature more fully.

#### GENERAL REMARKS.

We have thus pointed out in detail some of the defects of our poor-houses and their administration. We desire to say that we found many things to approve.

The inmates were usually supplied with an abundance of suitable food, and were treated with personal kindness.

The farms were usually in a good condition, and the pecuniary affairs of the institutions are in general managed with a fair degree of prudence and economy. Indeed, some of the defects which we have referred to result from an unwise economy, to call it by no harsher name.

The Boards of Supervisors appoint the Superintendents, and fix the annual appropriations for the poor. Beyond this they have seemed to feel little responsibility. Their general object is to reduce the county expenses to the lowest possible point, and in doing this they often do a great wrong to these institutions, whose wants they have not sufficiently studied.

The Superintendents are embarrassed by pinching appropriations, and cannot do what wisdom and humanity require to be done. Then, too, it is not easy to find a suitable person for keeper of the poor-house for the salary which is or can be paid. The position is at once a disagreeable, responsible, and difficult one. The keeper should understand farming well, and should be a good and upright man of business. He should also understand human nature in all its phases, and have the rare power of governing bad men and women, and mainly by moral force. He should be patient, kind, forbearing, sympa-

thizing; gentle with the weak, and stern with the obdurate. These qualities, absolutely essential to a complete administration of our poor-house system, cannot, in general, be commanded by our several counties. These difficulties, and the other defects which we have pointed out, and others which exist, seem to demand the careful consideration of the Legislature, and an earnest effort to find a remedy.

---

## STATE INSTITUTIONS.

We have a more pleasant task in calling your attention to the penal and charitable institutions under the immediate control of the State. It has been our experience, as it has been that of our investigators, to find, as a general rule, that institutions of the kind named, not under some general central supervision, are subject to great neglects and abuses, and that mere local supervision is inefficient both to prevent and expose them.

### THE ASYLUMS.

We have doubted, owing to the somewhat ambiguous terms of the Resolution under which we act, whether we were authorized to visit the asylums of the State, but at the suggestion of your Excellency we have done so, and the result has been most gratifying to ourselves.

They are both institutions that give great credit to the State, and, so far as we can judge, are in good hands, and are well managed and supervised.

The Asylum for the Insane, at Kalamazoo, is full to overflowing, and the Principal has been under the painful necessity of rejecting a large number of applications for admission. These rejections have very naturally excited jealousy on the part of some, that there was favoritism exercised. After a careful inquiry as to both rejections and admissions, we are satisfied that the Principal has acted upon the right principle of discrimina-

tion, both as to the character of the patients and the localities from whence they have been received.

He has endeavored to give preference to those patients who have been most recently attacked, and those in whose cases there is the most hope of recovery; and to fairly distribute the admissions through the State. That in some given cases he may have misjudged as to the merits of the different applications, is not only possible, but it is almost inevitable. The true remedy is, to provide more extended accommodations.

We are gratified to find in our visit to other States, that this, our oldest and only complete Asylum, has the reputation abroad of being one of the best institutions of the kind in the Union.

The building for the Educational Institute of the Deaf and Dumb, at Flint, is not yet completed, but is fast approaching completion under the watchful supervision of Mr. James B. Walker, Building Commissioner and Trustee. It will be a spacious, convenient, and elegant structure,—perhaps somewhat too spacious and expensive for the present wants of the classes for whom it is designed. As we have already remarked, the Institution seems to be well managed and in good condition.

#### THE STATE PRISON.

We have examined with considerable care into the condition of the State Prison, at Jackson, its management, and its general workings; and we find something to approve and something to criticise.

There are some defects of location, construction, and condition, for which the present management are in no way responsible, yet the effects of which they very sensibly feel.

The prison is located upon a low, wet, uninviting spot, with no agreeable surroundings, and the construction is in many respects exceedingly defective. There is no chapel, and no place where any large body of the prisoners can be gathered together for any purpose, except in the low, dingy dining-

room. There is no school-room, no bathing facilities; the hospital accommodations are insufficient, and the cells very poorly ventilated. The yard walls are low, and in many places seem almost ready to tumble down, and are exceedingly insecure.

This insecurity presents one of the most serious obstacles to good discipline that exists. It is a constant temptation to efforts and conspiracies to escape; and the hope of escape tends strongly to unsettle the minds of the convicts, make them unwilling to work, indifferent to good conduct, insubordinate, and fortifies them against reformatory influences. The first deep impression that should be made upon the mind of the convict is, that he *cannot* escape; that the law is too strong for him, and that efforts in that direction are unavailing. Then, and only then, will he settle down to a sense of his true condition.

But, besides these defects in location and construction, there are other defects in the condition of grounds and building for which the management is responsible. As compared with some prisons which we have visited elsewhere, there is a great want of order, neatness, and taste in the prison yard and its surroundings,—a careless, shabby look, almost indescribable without going into great detail, and yet which is felt by all those who have a higher ideal before them of what such grounds should be. Some of the wooden buildings within the enclosure are in a dilapidated, ruinous condition, and should either be torn down or repaired. These will be considered small matters by many, but they aid very greatly in giving character to the institution, and they affect the credit of the State.

One very great improvement has been made since our first visit. A building has been erected for the insane convicts, with large, airy cells, and with an abundance of light and air. The improvement in the condition of these men is very manifest. Heretofore it has been deplorable. Still the fact exists,

that they are under the care of men who have no experience or skill in administering to the mind diseased ; and is it not a serious question whether—when the insanity of the convict is clear—he should not be treated like other insane persons ? He is no longer a fit subject either for punishment or reform, but for cure or skilled custody.

So far as we can judge, the business interests of the prison are managed with fidelity and skill by the present Agent, and it is more than paying expenses. This is a very gratifying result, and creditable to that officer ; still, the prison was not established to make money, and whether it does so or not is a question entirely subordinate to the question whether it is so administered as to accomplish all the good to society for which it was designed, and which it is capable of accomplishing.

Whether the discipline of the prison is what it should be, and whether the convicts are treated as they ought to be, so as best to accomplish that good, are questions upon which different persons will materially differ in opinion, and this difference will depend mainly upon the different theories entertained as to the object and purpose of the punishment of convicts, and the end sought thereby. All will agree that an incidental purpose of punishment is its deterring influences in preventing others from committing similar crimes, and that an incidental purpose of imprisonment is for the time being to secure society from the further crimes of the convict himself, by making it impossible for him to commit them ; but these are not the leading or principal purposes.

One theory, and until recently the common one, is that the leading object of the imprisonment of convicts is to punish them for crimes committed, by depriving them of all the ordinary enjoyments of life not essential to its continued and healthful existence, and by close imprisonment and compulsory labors for a given time, or for life. In other words, they are to be treated as so many human machines submitted to the custody of the law, to be worked in prison for a given time,

or for life, and to be kept in good working order, so as to accomplish the greatest amount of labor possible. This theory requires that the convicts be well fed, not over-worked or cruelly treated, and that they be subjected to a rigid discipline, so that order be maintained and the work be done; but it entirely loses sight of the welfare of the convict and the security of society when he shall be discharged from custody, if discharged at all, and the practical working of this theory has demonstrated that convicts are made worse, and not better, by its adoption,—that as a rule they are greater criminals after imprisonment than before, and that society has much more to fear from them than ever.

Another theory is, that the State occupies towards criminals somewhat the relation of a parent to a sinning child,—that while he is to be punished, punishment is not an end but a means, and that the leading object of punishment is to reform the criminal and restore him to society as a safe and useful member thereof; and that the mode of punishment, discipline, and treatment must have primal reference to this great end. Of course there lies at the foundation of this theory a firm faith in the possibility of this reformation of criminals, and without this faith it cannot exist. The advocates of this theory are rapidly increasing, both among practical men, familiar with prison management, and intelligent, thoughtful, Christian philanthropists; and they claim that the experiments of the last half century in Norfolk Island, in France, Germany, Ireland, and in this country, have proved that, by a proper course of reformatory treatment, a very large percentage of convicts may be reformed and made safe and useful members of society. We shall hereafter discuss more fully this reformatory system, and we merely remark here that it involves the use of industrial, educational, moral and religious agencies, and an earnest attempt to fit convicts to become good citizens, and to procure employment for them on their discharge; that it does not involve a lax discipline, but, on the contrary, it demands a



discipline, kindly yet firm, and, if necessary, inexorable. It, however, encourages hope, rewards good conduct, and seeks to arouse the energies of the convict for his own reformation.

Such a theory has only been, and can only be, successful in practice, when administered by capable men and women, whose hearts are in the work, and who have an abiding faith in the possibility of reforming a large proportion of the persons placed under their charge.

If judged by the theory first above mentioned, as to the leading object of imprisonment, we think our State Prison is reasonably well managed. Discipline and order among the convicts are well maintained, and they are, as a rule, well fed and not over-worked, or cruelly treated; but we have reason to fear that there are exceptions to this general rule.

Judged by the other theory given, we think the management of the prison comes far short of the reformatory system inculcated in theory, and as exemplified in practice, and we think a change could very advantageously be made in this direction. Something has already been done. Valuable additions to the library have been made, and prisoners are encouraged to read. The chaplain seeks to win their confidence, makes himself their friend, and leads their thoughts to higher and more sacred things. The want of a chapel and a school-room is sadly felt, and the contract system interferes somewhat with that entire control of the prisoners by the Agent which is desirable. The commutation system is a move in the right direction, and works well; and the Agent has recommended a most desirable provision, by which good conduct shall be rewarded, by permitting the family of the convict to share his earnings. But under the system established at Jackson, convicts are not made to feel that their punishment is reformatory in its character, and that it is expected of them that they are to grow better under it, and that a deep interest is felt by society in that result, and that every effort at reform will meet with warm-hearted sympathy. There is no immediate motive before them for especial good conduct. It brings no immuni-

ties, no privileges, no distinction. In long terms, the hope of abbreviating the time of detention is too weak to operate with much power. There is no attempt at classification on the basis of character or meritorious conduct. Their very dress, the detested prison stripe, is at once a badge and an instrument of degradation, when the great effort should be to arouse self-respect, and stimulate to self-amendment and elevation.

Without discussing the question whether flogging should ever be resorted to, we think it is administered here quite too frequently, and on occasions when it should not be. It was administered twenty-nine times during the last year, and is resorted to occasionally, simply to compel a confession, and sometimes even to compel the confession of the motive of an act. Thus, when some prisoners escaped, it was ascertained that one who had not escaped had made and hung some iron balls like slung shot, which were used by the escaping prisoners. The convict admitted the making of the balls, but claimed that he made them to use about a machine where he was at work. He was whipped to compel a confession that he had made them for the use of the escaping prisoners, and was whipped until he *did* confess, and then the whipping was suspended. He was not whipped *for the act*, but to wring from him, by the torture of the lash, a confession of the *motive* of the act.

•

So, a convict, in attempting to escape, dropped a knife, which he had made from an old file. He was asked for what he made the knife. He gave a false reason, and was whipped until he confessed that he made it to use in his contemplated escape. He was not whipped for the attempted escape, or for making the knife, but to compel a confession, and the whipping was continued until he did confess. This torture, to compel a confession, belongs to the Inquisition and to past ages. It as often compels the victim to utter a falsehood to end the torture, as to reveal the truth, and has about it no commendatory features.

The general concurrence of those who have considered the subject seems to be, that flogging tends to degrade the victim, and brutalize both those who inflict and those who witness it; and if resorted to at all, it should only be in extreme cases. From the very nature of the mode of punishment, it is very apt to be inflicted in the heat of passion rather than with judicial calmness.

We have thus felt it our duty, under the requirement of the Resolution,—to make “full minutes of all the defects” which we discover,—to point out what we consider the defects in the management of our State Prison. As we have already said, in many respects we find that management worthy of praise, and we entertain no doubt that the future will see marked improvements in other respects.

The salary paid to the Agent is utterly inadequate for the duties imposed upon him, and which he does perform. We think both the mode of his appointment and his term of office open to great objections. But these subjects we shall hereafter consider.

#### REFORM. SCHOOL.

There is no class of institutions in which we have become more profoundly interested than in those established for the reform of juvenile offenders. We have examined several of them with care, and inquired into their workings, and through reports and printed volumes have endeavored to inform ourselves thoroughly as to others,—their history, their workings, and their success. Whatever doubts there may be as to the possibility of reforming adult persons convicted to crime, there are none whatever as to the possibility of reforming a large proportion of juvenile offenders. This has been fully proved, both in this country and in Europe, and that such institutions are to be considered among the most efficient means for the prevention of both crime and pauperism, cannot be doubted. The class of children committed to them have, for the most part, come from the class of vagrants, and therefore

the most unlikely subjects of reform, yet the statistics show that from fifty to seventy per cent of all the discharged inmates live decent and reputable lives, while many of them have become men of marked respectability and worth in their localities. These institutions have been in the main conducted with especial reference to the reformation of their inmates by the power of religious principle, by the kindly discipline of the school, the work-shop, the farm, and the family; and just in proportion as they have assumed a penitentiary character, they have failed. The success of all reformatory institutions must depend very much upon the personal character and efforts of those who are at the head.

No mere routine, no system merely mechanical, has ever given or can give success. They must be pervaded by the true spirit of Christian reform, and this must be caught from and infused by the Principal, or by those in charge; otherwise the success must be very imperfect.

While we cannot claim for our Reform School that it is a model institution, yet we have been in most respects favorably impressed with its management. The Principal seems deeply imbued with the true Christian spirit of benevolence, and clearly comprehends the idea that the institution is intended to be reformatory in its character rather than punitive,—that it is a school and not a prison, and is making earnest, and to a very considerable extent successful, efforts to impress this character upon the Reform School. A large experience, and a careful study of the spirit and the method of some of the best institutions of the kind, will no doubt enable him to improve the management of this.

As compared with some institutions which we have visited, it seems to us that it could be improved, among other things, in the general aspect of the grounds, both inside and outside of the inclosed yard, so that order, neatness, and taste should be a more marked characteristic thereof; by the better classification of its inmates with reference to character and conduct;

by a more perfect system of grading and marking, so that good conduct should more certainly and obviously insure its rewards, and bad conduct its penalties, and by a more special and earnest effort to prepare its inmates for a speedy discharge from the school, the finding of a proper place for them in private families, and the careful looking after them when thus discharged.

The Rev. Dr. Pierce, now and for some years Chaplain of the New York House of Refuge, and previously the Principal of the Reform School for Girls, at Lancaster, Massachusetts, says in his "Half a Century with Juvenile Delinquents," "all institutional life is unnatural, and no child should be confined in any one, however improving, longer than is indispensable to prepare it for the natural home in a family, where it must certainly and ultimately live. We should never weary of the experiment of placing the child in a home. If it fails in one, it may find a congenial atmosphere in another."

There is no better authority on this subject, and his opinion is, we think, in accord with that of most others who have given much thought to the subject. The child should not be kept so long that this institutional life, in the midst of congregated boyhood, becomes either habitual or attractive, and so that a life of toil in a quiet country family seems dull and monotonous; and yet they need to be kept long enough to break up the vagrant, roaming habits which have been formed, and until they have been trained to regular industry, so that it has become a habit, and until they have received a rudimental education and have developed a good moral purpose. As soon as this is done, they may and should be returned to their friends, or intrusted to families of farmers or mechanics carefully selected, still subject to the kindly supervision and watchful care of the institution, or absolutely discharged. The time required for this preparation will, of course, vary with the character and age of the child, the wisdom of the treatment, and with the other circumstances of the case. The judg-

ment of the Principal and of the Supervising Board must, of course, be entitled to great, if not decisive weight, in determining when the inmate is fitted to leave. It must, however, be borne in mind that the Principal would naturally feel a reluctance to part with an inmate whose conduct was good, who was in every way improving, and who had become an example to others, and had acquired skill in labor.

There are two distinct classes of Reformatory Institutions for Juveniles, viz: those conducted upon the congregated system, and those conducted on what is called the family system.

In those conducted upon the congregated system, the inmates are gathered in one large building, and to a greater or less extent mingle freely with each other in the play-ground, the dining-hall, the school-room, and the work-shop, subject, however, to classification, oversight, and various regulations. In some they have separate dormitories, and in some they sleep in large rooms which are subjected to careful supervision. There is usually a strong wall or high fence around the yard where the inmates are permitted to be, to prevent escape.

Under the family system, there are no high enclosures, and the obstacles to escape are moral rather than physical. The inmates are placed in separate houses scattered about the grounds, each house containing from thirty to fifty inmates. In the Industrial School for Girls at Lancaster, Mass., which may be termed a model school of this class, there are five separate buildings for scholars, with accommodations for thirty in each building, and in each is a matron, a teacher, and a housekeeper. Each house has its separate school-room, and each household is a distinct family by itself, holding very little intercourse with the others.

They only meet together in the chapel for worship, singing, etc. The theory is, that as far as possible the family life should be preserved, and that each inmate should be brought into intimate and kindly relations with the matron and the teacher, who are supposed to be fitted kindly and wisely to guide, con-

trol, and educate the objects of their charge, and develop their higher natures. In boys' schools they usually have a man and his wife at the head of each family. In some schools on the family system, the inmates of all the houses attend the same school, and eat at the same table.

Some of the most successful reformatory institutions of Europe, both for boys and for girls, are upon this plan, as are quite a number in this country. Of this class are the Reform Schools of New Jersey, Ohio, Indiana, Wisconsin, and of Chicago; while a majority of all are upon the congregational system, including the largest, and in many respects the best and most successful of all, the New York House of Refuge, we think it too early yet to determine which of the two systems is entitled to a decided preference, if either. One practical difficulty in the family system in this country is the securing of a sufficient number of proper persons to put at the head of each household.

The number of persons fitted for the position is very small, and that number cannot be obtained at the prices which are or will be paid, especially as a Principal to preside over the institution, as a whole, would still be required, of the same eminent capacity as in a congregated one.

In Europe the same difficulties do not exist as to obtaining a proper "house-mother," "house-fathers," "elder brothers," etc., for the several houses. Persons are trained for this purpose as for a Christian duty. Their places are comparatively permanent, and the success of these schools is largely dependent on these facts.

The "Reform School for Boys," at Westborough, Mass., is upon a mixed system, having a large central building upon the congregated plan, and several houses, accommodating thirty each, under the care of a man and his wife. Rev. Mr. Wines, the Secretary of the Prison Association of New York, thus describes and speaks of the workings of this system:

"All the boys committed to the Institution are first placed in the congregated department, from which, as a reward of

merit, they are promoted to one of the families when vacancies occur in these by the discharge of their inmates. The members of a family hold their positions subject to a forfeiture by misconduct, in consequence of which, and as a punishment therefor, they are sent back to the congregated department. This arrangement is found in practice to operate as a powerful stimulus to good conduct; first, as a means of purchasing a place in the family, where greater freedom and increased privileges are enjoyed, and no less, secondly, as a means of retaining it."

The judgment of the trustees on this point is thus expressed in their report: "We think the two systems, the congregate and the family combined, are better than either separate."

And it must be admitted that there are advantages lying on the surface, and obvious at a glance, in this combination.

Our own school has already one house outside of the high enclosure intended for safe custody, and we believe that it is proposed to erect another, and gradually, if they operate well, to work into the mixed system. Our own judgment favors this plan. We may safely pronounce our Reform School thus far, a success. While it has not accomplished all the good that the most sanguine anticipated, nor all that it can do, it has been, and is doing, a good work in rescuing from a life of vagrancy and crime a very large number of its inmates; and under the improved management that will come from a larger experience and a more profound study, we may confidently anticipate a greatly increased usefulness.

#### DETROIT HOUSE OF CORRECTION.

This institution has been in operation but a few years, but it has already acquired a wide-spread and almost a national reputation for remarkable success in several particulars.

1st. For its pecuniary success.

2d. For its success in maintaining a high standard of discipline, without the use of the lash or similar modes of punishment.



3d. For its success as an educational and reformatory institution.

This fact has led us to examine carefully into its management and general workings.

It was peculiarly fortunate in obtaining for its Superintendent one who had been educated for such work, and who expected to make the management of prisoners a lifelong business. He was not appointed as a reward for political services, or with any reference to his political opinions, but he was sought out in another State, and selected and employed as sensible business men would select and employ an agent for a responsible position, with sole reference to his peculiar fitness for the position; and a salary has been paid sufficient to obtain and retain his services.

The result is, that with prisoners whose confinement averages but about one hundred days, during the eight years of its existence the earnings of the House of Correction, over expenses and deficits, have been sixty-nine thousand eight hundred and thirty-seven dollars and eighty-three cents.

Its deficits were all within the first two years, so that in the last six years its surplus has been eighty-one thousand three hundred and seventeen dollars and ninety-seven cents, or an average of thirteen thousand five hundred and fifty-three dollars per annum.

We find that there is no practical difficulty in maintaining discipline without the lash or similar punishments.

A spirit of order and obedience to the established rules generally pervades the institution, and flagrant disobedience is very rare.

But we have been especially interested in the reformatory efforts here put forth, and their results.

We think the efforts may be thus classified: 1st, Sanitary; 2d, Educational; 3d, Moral and Religious.

1st. Of the Sanitary. Good ventilation is secured, and clean-

liness is everywhere enforced, both of the cells and rooms and of the person.

There are ample opportunities for bathing the whole person, and it is required as often as once a week, and sometimes oftener. The result is that the health of the prisoners is remarkably good.

Dr. Brown, in his report for the year 1869, says it has been "one of uninterrupted good health," and adds that they are indebted for this "to the perfect ventilation of all the wards, the system of cleanliness enforced in every department, the frequent bathing of inmates, and the sound and wholesome provision furnished." During the past hot summer the same general health has prevailed.

This cleanliness and good health is a good foundation for *other* reformatory effort.

2d. Educational. The school is a very marked feature in the House of Correction, and its success in arousing the inmates to aspire to a higher ideal of life than they have before cherished, and to an earnest effort to cultivate their faculties, is very marked. It must be borne in mind that, as in most prisons for adults, the majority of the prisoners are under thirty years of age, and nearly half of them are under twenty-five.

The school is held two evenings in the week in the chapel, which is so arranged that both men and women may be present without seeing each other. It is under the charge of an accomplished teacher, Mr. Tarbell, of the Bishop Union School, assisted by the chaplain, while Miss Hall, also a most capable teacher, has special charge of the women's school.

Mr. Tarbell says: "The change in the appearance of the prisoners is very manifest." "Those who are doing the best are the young men from twenty-five to thirty years of age."

In addition to the ordinary course of teaching in classes, Mr. Tarbell gives them a short lecture upon some interesting topic connected with their education. In addition to this

school, every Saturday afternoon during the winter season the prisoners are collected in the chapel to listen to a short lecture upon some interesting subject. These courses of lectures have been really very valuable, and have deeply interested the prisoners.

They have access also to a very good library, and books therefrom are distributed to them by the chaplain.

3d. Moral and Religious Efforts. All experience in attempts to reform prisoners has shown the importance of moral and religious forces as elements in any true reform. Such forces seem to have become especially potent here. The prisoners are made to feel that the chaplain is their sympathizing friend.

He treats them not as a class by themselves, of criminals, but as men and women needing sympathy and help—needing the strength and consolation which come from penitence and from faith in a redeeming Saviour. They are earnestly taught that they not only *may*, but that they *ought* to become true Christians, and respectable members of society. Profound religious impressions seem to have been made that are bringing forth their legitimate fruit in this life.

Besides these special efforts, care is taken to make the prisoners feel that the very purpose of the punishment to which they are subjected is correctional and curative, not merely punitive, and that the officers in charge, as well as society in general, are really seeking the good of the imprisoned, and that in this, their own help and co-operation are sought and are needed. After careful inquiry we are satisfied that the result of these reformatory efforts is hopeful and cheering. Those results cannot be reduced to figures, or in any way very accurately measured, but that many men and women have been truly reformed, there seems to be no doubt. What has been accomplished is sufficient to stimulate to greater efforts in the same direction.

Amongst other things desirable to complete a system of reformatory measures are, *first*, facilities for testing the char-

acters of those hopefully reformed before their absolute discharge, and, *secondly*, an efficient agency to procure, as far as possible, home employment upon discharge.

Experience here, as elsewhere, has clearly shown that prisoners confined for short terms are not within the reach of educational or reformatory influences, and that they are discharged without improvement, and to a great extent to go through again the same routine of drunkenness, disorder, profligacy, crime, arrest, conviction, and imprisonment.

It may be asked, what good purpose is served by such a system?

The House of Shelter for Women, under the care of Mrs. Wiggins, as matron, and Miss Hall, as teacher, seems to be arranged very judiciously, and gives promise of great good in its efforts to restore sinning women to usefulness.

The value of such a refuge to the weak and erring cannot well be estimated.

---

### RECOMMENDATIONS.

Having thus referred to existing systems and institutions, their merits and their defects, we now proceed, in the further discharge of our duties, to make such suggestions and recommendations for their improvement as seem to us advisable.

In some respects no State is better situated than our own for making improvements, especially in the important matters of dealing with pauperism and crime.

Except in two or three counties the investments for poor-house buildings are very small, and the farms occupied by them are worth much more than they cost.

We have but one State Prison, and that is in a condition so that it will require early and extensive repairs and improvements.

We can, without serious loss in any quarter, adopt such systems of caring for the poor, and of conducting prisons, as the experience of other States and countries may suggest, and the Legislature in its wisdom may deem the best, and such as are

most in accordance with the spirit of the age and the true principles of Christian philanthropy.

#### COUNTY JAILS.

Any effective reform of our prison institutions must involve a radical change in the existing county jail system. An evil to be remedied, as pointed out in a previous part of this report, is the want of means to separate prisoners awaiting trial, and persons detained as witnesses, from those convicted and undergoing the sentence of the law.

Mainly on this account, to be accused of crime and confined in jail awaiting the issue, hardly ever fails to attach a social stigma to the individual, which even an honorable acquittal does not entirely remove. He is liable as long as the memory remains, to be twitted as a "jail bird."

The demoralizing influence of this liability is only to be fathomed by the degree of sensitiveness of the individual character. Some will feel its injustice more than others, but all are hurt by it. The remedy must come from the drawing of a line of demarkation between the accused and convicted, as well defined in *their practical treatment*, as the law recognizes in its theory,—presumptive innocence until guilt be proven. To accomplish this, it seems to us indispensable that Houses of Detention should be established for safe custody of the accused, avoiding entirely the use of the term "jail," in this connection.

The Executive Committee of the Prison Association of New York, in their annual report for 1869, introduce the subject of the county jails of that State, in the following language: "A popular preacher in Brooklyn said recently, in a sermon, 'Look at our jails! They are a disgrace to civilization. Some are fit to put wild beasts in, but most of them are not.' The rhetoric is strong here, but there is a terrible basis of truth underlying it. There may be half a dozen of the sixty-eight jails in the State (though we could scarcely name as

many) properly constructed to meet the exigencies of the existing system; but in general they are as faulty in construction and arrangement as they well can be,—dark, damp, cramped, ill-ventilated, and gloomy in the extreme.” This description might also have been written for the jails in Michigan. It is impossible to believe that the advancing civilization of the age, and the knowledge to be derived from the attraction of public attention at this time to the general subject of prison management, will permit this condition to be permanent. Mistaken and ill-judged economy no doubt contributes largely to produce the miserable state of so many of our jails, and the question of cost will be one of the obstacles to reform. Assuming, however, that public sentiment, once awakened, will insist upon improvement, the necessity for rebuilding or remodeling a great majority of the county jails becomes at once apparent.

Should this course be taken, we see no reason why much additional cost need be involved in remodeling the *system* as well as the *buildings*; and in all other respects, it would prove a most favorable time for instituting measures for moral reform.

Regarding our county jails, under the present mode, as hot-beds for the propagation of crime and criminals, we hold the best good of society, nay, that its very safety demands the change which we suggest. Our views upon this subject are so well expressed by the Prison Association of New York, that we again quote from their twenty-fifth annual report:

“County jails should be made simply houses of detention. Their punitive character should be abrogated, and a class of prisons, occupying a middle ground between the State Prison and the common jail, established for the treatment of persons convicted of minor offenses. Detention for trial, and punishment on conviction, are essentially different processes, and ‘the fitness of things’ requires in each a special method in harmony with its nature, and adapted to the end in view. There

is between the convicted and the accused the vast difference which separates judicial certainty from simple suspicion. Hence, the association of these two classes in prison is not only an impropriety and a wrong, but a procedure contrary to morals, to justice, to the public security, to humanity, which no Christian nation should permit, and which the criminal law ought, at whatever cost, to prohibit. \* \* \* \* Separate imprisonment should be enforced in all common jails. If association is the seminal evil of our jail system, the remedy must be in individual imprisonment. The Prison Association held this view from the start, and has maintained it throughout. The reason on which this view rests is not far to seek. Persons under the arrest of justice, charged with different offenses, almost always differ also in age, character, and moral condition. Suppose ten, twenty, fifty such confined in the same prison; some of them will be wholly innocent, others guilty of some slight misdemeanor, and others, still, utterly blasted and gangrened by a long course of crime. Is it not a supreme injustice to compel a contact of the former with the latter,—to force upon the upright man, unjustly prosecuted, the contiguity, morally and physically corrupting, of those gross and foul natures who are awaiting their legitimate punishment?"

A State that incarcerates one of her citizens for any cause, is bound, by every principle of rectitude, to use all possible precautions against his being restored to society a worse man than when he was arrested. To secure this, the Houses of Detention must be well constructed and well governed, and should have provision for regular employment and instruction.

In this connection, we quote from the report of a committee on prison architecture, to the Legislature of the State of New York:

"With the sole exception of the deprivation of liberty, nothing in these places of detention ought to take on the afflictive austerity of the prison. No doubt every citizen.

when the public weal requires it, is bound to pay the painful tribute of a forced detention, till his innocence is established ; but justice demands a detention which separates him from all impure contact. To meet this demand requires that we advance one step further ; that is, that we keep the accused from one another by means of cellular separation, the only proper and rational mode of detention for this class of prisoners. To refuse to the accused such a shield against contamination is at once a denial of the right and an abuse of power. It is to impose on him a punishment which may have the gravest consequences, both for himself and society, and which, therefore, no plea can either justify or excuse."

These Houses of Detention should be subject to supervisory inspection from the Central Board, should one be established, as hereinafter suggested.

#### INTERMEDIATE PRISONS.

The adoption of our recommendation in regard to county jails being used only as houses of detention, would involve the necessity of providing some other means of custody for the class of prisoners sentenced to confinement in the common jails under the present system. To send them to the State Prison is not to be thought of, for reasons so obvious as not to need enumeration. How, then, are they to be held, and how treated ? We answer, by the institution of a class of intermediate, District Prisons, of which the Detroit House of Correction, already spoken of, may be taken as a type, to occupy a middle place between the House of Detention and the State Prison proper. These District Prisons might be located at convenient points in the State, and we consider should be under State control. They should be reformatory in character in the most practical sense. All persons convicted of minor offenses should be sent to them and put to work. Among the advantages of such prisons may be suggested : the opportunity their management should afford for classifying the prisoners ; that industrial labor might be fully organized in them, and



the cost of crime be diminished by the income derived from such labor; not one of which advantages can be derived under the county jail system, to say nothing of the importance of getting rid of the demoralizing contamination which the latter system entails.

Besides these improvements separate departments for imprisonment of the young might fitly form a feature in the system, and the State Prison might properly be relieved by the confinement in these institutions of convicts now sent there on short sentences.

#### REFORM.

An adequate and satisfactory system of prison discipline has been defined to include the reformation of the criminal, the punishment of crime, and the protection of society. Having already seen the extent to which the system of jurisprudence established by society is responsible for the propagation of crime, we may well question the right of society very rigidly to visit *punishment* upon the individual for the offense it has been a main instrument in creating, or at least in causing him to commit. Neither ought we to overlook, in this connection, the well established fact of hereditary inheritance of a tendency to vicious habits, leading eventually to criminal acts, which partakes of the nature of a disease, that deprives the possessor of full control of his moral faculties, if it do not even divest him of consciousness of their existence, and which certainly blunts his perceptions of the difference between right and wrong. Then, when considering the protection of society as involved in this definition of prison discipline, it needs no argument to demonstrate that there is no method by which society can do so much to protect itself, as through the reformation, if practicable, of the criminal. Hence the proposition for reformation might not improperly be regarded as embracing the whole.

Researches into criminal statistics reveal the fact that in the State Prisons of the United States the proportion of minors

incarcerated, taking the average in them all, is over twenty per cent; that in one it rises to nearly fifty per cent; and that in several others it exceeds one-fourth of the whole number; that the tendency in every department of vice and crime seems to be of late years *youthward*; that thieves, pick-pockets, burglars, and indeed every class of criminals, average many years younger now than they did a quarter of a century ago; and that the same is true of drunkards. Such being the testimony of the Executive Committee of the Prison Association of New York, can an organized and well devised attempt at reformatory discipline, such as our present system does not afford, begin too soon?

Although laboring under the difficulty of having to deal in the main with very short sentenced convicts, the Detroit House of Correction presents, in its management and influence, the best example of a reformatory, or intermediate prison, with which we are acquainted in this country. Its accomplished superintendent, Z. R. Brockway, Esq., in an able paper contributed to the twenty-fourth annual report of the Prison Association of New York, says: "The design of these institutions is two-fold, viz: preventive and reformatory,—to restrain and prevent the manifestation of the vicious inclinations of the class described, and to improve the character of the individuals who commit offenses and are imprisoned therefor. The true interests of society are best promoted by those measures that prevent the perpetration of offenses and the growth of bad character in its members; for every infraction of law not only mars the character of the offender, and brings into activity a bad element, but is a shock to the fabric of society, weakening the whole structure in proportion to the trivial or heinous character of the offense. The Christian institutions, benevolent and charitable societies, and educational establishments, are all, in the nature of their organization, admirably adapted to this work; but as their influence does not perfectly accomplish this end, some other provision

is necessary for the treatment of those who break through these restraints, and actually enter upon a vicious course, leading, as vicious practices always do, towards the commission of the higher crimes. \* \* \* \* The reformatory designs of these establishments must not and need not be lost sight of in our zeal for their preventive influence, for the highest welfare of the inmates is perfectly consonant with the best welfare of society at large. I do not hesitate to say, that in the reformation of prisoners, and in wise efforts to that end, will be found a key to the true prison system, and the soundest criminal code. \* \* \* \* \*

“The design of these municipal or intermediate establishments, then, may be stated to be the treatment of persons who commit offenses against society, known as misdemeanors, with the view to exert a preventive and reformatory power, the preventive force being most surely had, and in largest measure, by locating, constructing, organizing, and administering them for the main purpose of reformation. \* \* \*

“They must be legislated into existence as a part of society, in harmony with every means she adopts for her preservation and the highest development and welfare of her members. Just as hospitals and asylums are instituted to heal physical and mental disease, so these prisons should be established to cure moral deformity. They are needed as adjuncts to the various refining and purifying agencies, to make further effort in the same direction for those who are not held by them to symmetrical, moral development, and who become an offense to society in spite of them.”

The unavoidable length of this report must prevent us from entering into much detail on what may be considered the best system of reformatory prison discipline, on which much difference of opinion exists among those who have made it their study. We must content ourselves with a glance at the leading features of those which seem to have met with the best success. If the fundamental principles meet the approval of

the legislative body, the details would be a fit subject for future consideration.

#### SHORT SENTENCES.

At the outset one of the greatest obstacles to reform, complained of by prison officers and others, is the prevalence of short sentences. Earl Stanley, some years since, said in an address on reformatory institutions: "It is proved by a concurrence of testimony that short imprisonments are not reformatory in their effect; that usually they send back the offender more hardened than he went in. The difficulty is not to find witnesses on this point, but to choose them. I believe there is not a governor of a gaol, not a chaplain, not a chairman of the quarter session, who is not here of one mind."

Dr. Staats, physician of the Albany, N. Y., Penitentiary, one of the model prisons of the United States, says in his report for 1868: "The ten-day cases—convictions for public intoxication—have been numerous, and have required much of our care and attention; all of little avail, however, for, to judge from the frequency with which these persons return to the penitentiary, their brief season of abstinence, instead of quenching the appetite for strong drink, only enhances its intensity. It is mortifying to notice, year after year, the extent to which our hospital is made an infirmary for habitual drunkards." And the Board of Inspectors of the same institution, speaking of the income of the penitentiary, observe: "The relative falling off in this particular will prove very considerable, if we are obliged to devote a large share of the earnings of our efficient hands to the support of a battalion of ten to sixty-day men and habitual drunkards, who waste the substance of the institution without any return, or even benefit to themselves."

The Rev. David Dyer, in an essay entitled "Impressions of Prison Life in Great Britain," remarks: "I was led more deeply than ever to feel the inutility, as a general rule, of short

sentences. In the first visits I made, I was surprised to find so many persons confined for periods extending from two to seven days, during which time they were generally subject to low diet and hard labor. On inquiring the reason for such sentences and treatment, I was repeatedly told that the prevalent practice in Great Britain is to subject those who have been found guilty of petty offenses, to a short, sharp, deterrent course of punishment, that they might be kept from the further commission of crime. I asked if this was the practical result of this course, and I was assured that it was not, for that the number of recommitments, which were chiefly from this class of convicts, was very large, not less than thirty-nine per cent, and these have increased ten per cent within the last ten years. I repeatedly inquired of different prison governors, whether they thought such sentences generally useful, and the answer I received invariably was an emphatic *No*. Some added, They are baneful in their effect, and pointed to the large number of recommitments as proof. On asking what they would do with persons who had been repeatedly convicted and sentenced for short periods, they replied: 'Make every additional offense a heightened aggravation, and impose a proportionate punishment.'

The Howard Association, a society formed in London for the improvement of prison discipline, say: "These repeated short sentences are very mischievous. For further commitments there should be sentences of sufficient duration to form habits of labor, in collective, industrial occupations, and to impart an ability to earn an honest living"

General Pillsbury, Superintendent of the Albany, N. Y., Penitentiary, whose reputation as an experienced and most successful prison official is cosmopolitan, in his annual report for 1869, to the Inspectors, says on this subject: "Of the 1,029 prisoners received during the year, 864 (or more than four-fifths) admitted themselves to have been intemperate, and 795 (or more than three-fourths) were committed for terms of less

than six months. A great many of these were persons convicted of public intoxication and sent here for ten, twenty, or thirty days, in default of payment of some small fine. It is for the lawgivers to determine whether imprisonment in the penitentiary is the best punishment for public intoxication in any case, but if it is designed to have any effect in curing the vice of drunkenness, a term of not less than six months should be imposed in all cases of second or further conviction. Under the existing law, it is not unfrequent for the same individuals to be convicted ten, twenty, or thirty times of public intoxication, and on each occasion committed for a few days. The records of this institution are full of such instances. On our books for the past year, I notice one case where a prisoner convicted of public intoxication for the thirty-third time, was sentenced to be committed here twenty days, or to pay a fine of five dollars; and in default of this paltry fine, the trifling term of twenty days' imprisonment was the penalty enforced. Such prisoners are a constantly recurring burden upon the institution, and consequently upon the county, for they are unfit to labor during the short time they are confined after their debauch, and they go forth unreformed and unimproved, only to repeat the same offense of public intoxication, and to be sent back to prison for another equally brief and useless period. If they were sent to the penitentiary for a term of not less than six months, there might be some hope of weaning them from their vicious and destructive habit, and restoring them to such a bodily condition as would fit them for useful labor."

We might multiply such testimony, but enough has been quoted to show that short sentences are opposed to reformation, and financially a burden to the institutions.

#### INDETERMINATE SENTENCES.

It may be asked if it can be consistent with justice to inflict long terms of imprisonment for minor offenses. The answer involves a feature of criminal jurisprudence new in this State, but the principle of which has been tried with marked success

elsewhere; that is, to sentence the convicted offender for a term to be determined by the evidence of reformation, and detain him in custody until he shall, by reliable tests, demonstrate that he has the will and the power to abandon his criminal propensities. The doctrine that the offender should be detained until by his own efforts and conduct he shall have earned the right to be free, originated with that profound thinker, Archbishop Whately. Since its first suggestion, it has been growing in favor, and has been adopted as the true principle, by many of the most active, progressive, best-informed, and thoroughly practical philanthropists among those who have devoted their attention to prison administration, as well by prison officers as by those who in other capacities are giving their time to the benevolent object of ameliorating prison discipline and reforming the criminal classes. This method is strongly advocated by Rev. Dr. Winea, corresponding secretary of the New York Prison Association, who defines it thus: "It is based on the idea that the criminal is a dangerous man, or, if you please, a morally insane man, whom it is not safe to suffer to go at large; and therefore he must be restrained of his liberty, till, like other madmen, his cure has been effected, and he may be set free without new peril to the community. Or to state the same principle in other words, men who have committed crime have thereby forfeited their privileges in society, and before they can regain them, they must give satisfactory proof that they again deserve and are not likely to abuse them. Can anything be more conformable to abstract reason and natural justice than such a principle? It would not, as might be supposed on a superficial view, proscribe punishment as such, which will always be necessary both to teach the lesson that 'the way of the transgressor is hard' and to induce penitence and submission; still less would it leave out of view the object of setting a deterring example. What it *would do* would be to raise the character of both these elements in criminal treatment, placing the first in the light of a *benev-*

*olent means* by making it an agency of reformation,—whereas at present it is too often regarded as a *vindictive end*,—and securing the second by showing the law *constantly and necessarily victorious over individual obstinacy*, instead of being, as now, frequently defeated by it. No doubt much of the hardness of old offenders arises at present from the gratification of pride in braving the worst that the law can inflict, and maintaining an ungovernable will amid all its severities. But for this pride there would be no place in a system in which more *endurance* could serve no useful end, and only *submission, obedience, and reformation* could restore to freedom. Under such a system the voice of the law to a convicted felon would be: ‘You have broken one of the first laws of society; you have shown yourself unfit to go at large; you must be separated for a season from your fellows; you must suffer the penalty which the law has righteously annexed to transgression; you must be shut up in prison and remain there until you give evidence that you are a changed man, and can be safely permitted to enjoy your freedom. In thus dealing with you, society has no resentments to gratify, no vengeance to inflict. It is for your good, as well as for her safety, that she so afflicts you; you must be punished for what you have done; but while you are in prison we will give you every chance to recover yourself. Nay, more, we will help you in that work. If you are ignorant, we will give you an opportunity of learning in the prison school what you ought to have learned in the common school. If you never learned a trade, we will put you in possession of one. If religious truth was withheld from you in childhood, you shall be made acquainted with it in your adult age. We will, through these various agencies, impart to you the power, and we would fain hope the disposition, to earn and eat honest bread. But you must work with us; your will must be in accord with ours; your efforts must tend in the same direction; there must be, on your part, a real and hearty co-operation with us. On this condition alone can



you attain that radical reformation of character to which we wish to bring you, and the attainment of which is indispensable to your liberation. Until you show to our satisfaction that you can be restored to freedom with safety to the community, your imprisonment must continue; and if you *never* give us such satisfaction, then you *never* can be discharged, your imprisonment will be for life. We do not set the madman free till he is cured of his madness; neither can we safely, or even justly, set the criminal free till he is cured of his propensity to crime. As the security of society and the good of the lunatic require that his confinement should be regulated upon this principle, so equally do the security of society and the good of the criminal demand that his incarceration should be adjusted upon the same principle. We put your fate into your own hands, and it is for you to determine the period, within certain necessary limits, during which the restraint upon your liberty shall continue. You may either prolong it to the close of your life, or restrict it to a duration which you yourself will allow to be but reasonable and just.”

Mr. Brockway, of the Detroit House of Correction, has strongly enforced similar views on various occasions. In his annual report for 1868, he says, in speaking of prostitutes, vagrants, confirmed pilferers, and those whose appetites or passions are beyond their control, who by indulgence become dangerous members of society and are convicted of misdemeanors: “Experience has demonstrated, that to sentence such persons to imprisonment for definite periods of time frequently subverts the purpose in view, and is almost always a hindrance; for the effect of too long sentences is depressing, and if too brief, diverting, so that in either case that mental process essential to reformation is prevented or destroyed. Human wisdom is insufficient to adjust the sentence at the time of imposing it, as now done, so as to avoid this consequence, and I am satisfied that it can only be accomplished by the aid of that observation of the character and conduct to be had sub-

sequent to the commitment of the prisoner. There cannot certainly be an increase of liability to erroneous and unjust sentences, by leaving the duration of imprisonment to be determined by competent authority after suitable opportunity for observing the prisoner, but on the contrary it must be lessened by such a course."

In his essay on "Intermediate Prisons," before referred to, the same gentleman says, "Every consideration that warrants the commitment of men to hospital or asylum until, in the opinion of competent persons, they are sufficiently healed to return to society without injury, is an argument for holding in custody persons of such moral character as to render them inimical to the general welfare, until they are changed, and can mingle with their fellows without contaminating them. And when such persons reach this point they should not be held in confinement because of arbitrary sentence. This standard of legislation possibly cannot be reached at once, but effort in this direction should be made in the organization of every new establishment."

As the result of much discussion on this topic in Great Britain, the London *Times* remarked: "We believe it will be found the cheapest and most politic course, as well as the most humane, to leave no stone unturned to bring about the reformation of criminals, and not to discharge them upon society until they are reformed. In desperate cases we must even acquiesce in the conclusion of imprisonment for life." And the London *Spectator* adds on this subject, that the detention of criminals until their reformation "would be justified upon the same grounds that justify the detention of the insane. As long as they are criminally disposed they are morally insane, and should be in safe custody. As soon as they have ceased to be criminally disposed, and become disposed, like ordinary people, to earn their livelihood in an honest way, they are cured of their insanity, and may safely go at large."

Nowhere, perhaps, are the arguments in favor of this principle more forcibly presented than in a paper addressed to Rev. Dr. Wines, and read at the National Congress on Penitentiary and Reformatory Discipline, held at Cincinnati, Ohio, in October of the present year. The writer is Matthew Davenport Hill, recognized as one of the ablest criminal jurists of Great Britain, who brings to the consideration of the subject the knowledge gained from an experience of about forty years as Judge of the Recorder's Court of the city of Birmingham, in England.

He maintains, substantially, that all punishment is a means to an end, not the end itself,—the end being the diminution of crime; yet he would not condemn any other good which may be incident to the means adopted to secure that result. As a general principle, the diminution of crime, so far as it is to be effected by punishment, must be sought for in the reformation of the criminal, and for that purpose it is a necessary and a legitimate exercise of human authority to detain him until this effect shall have been produced.

A criminal is a man who has suffered under a disease, exhibiting itself in the perpetration of crime, and who may reasonably be held to be under the dominion of such disease, until his conduct afford very strong presumption not only that he is free from its immediate influence, but that the chances of its recurrence have become exceedingly remote. It will be at once admitted that if we could, with certainty, so train a criminal during his imprisonment as to relieve him forever from all disposition to relapse into crime, any length of incarceration would be well spent, both as regards the interests of society, and especially as regards the interest of the criminal.

If the offender must be sent to prison, what is to measure the duration of the punishment? Time sentences are so familiar to our minds, and enforced by such long ages of prescription, that an inquiry into their reasonableness demands efforts which few can be induced to make. In apportioning a

time sentence to a given offense we assume that some assignable proportion exists between offenses and inflictions,—that a pound's weight of crime should be visited with a pound's weight of punishment,—but the vague proportion we are able to establish in our minds carries us a very little way towards the exactitude required for practical purposes. This failure is manifested by daily experience. Whenever a case is tried by a plurality of judges, it is well known that it is only by compromise they agree upon a sentence wherever the Legislature has left them discretionary power. If this be true of judges, who, sitting together month after month, are worn with an approach to mental uniformity, the difference of apportionment between one court and another must be so great as to preclude all hopes that crimes meet, as a rule, with their desert, neither more nor less. In our attempt to award pain according to desert, we are fated to err, either on the side of mercy or severity. When the jury has convicted the prisoner, it remains to be considered whether the offense is mitigated or aggravated by its incidents; whether the prisoner is young or of mature age; whether he has had the advantages of education, or been under the influence of ignorance and evil associations; whether or not he has been previously convicted; whether his deviation from rectitude seems an exception or indicates the rule of his life. All these and many other points for consideration will rise up in the mind of a thoughtful judge, but they will assuredly not be dealt with by any two minds so as to result in the same infliction. And if we take into account the modifications of opinion which society undergoes from time to time, and observe its effect on the sentences pronounced at various periods for offenses of similar magnitude, we shall all come to the conclusion, that standards of punishment are much more easy to imagine than to realize. Having watched the operation of non-reformatory punishments for more than half a century, Mr. Hill offers himself as a witness to the illusory nature of all expectation that they can

be made effectual as deterrents from repetition of crime. If, then (he says), it be impossible to duly adjust penalties, and if simply deterrent punishments are inefficacious, in what principle can we find refuge except that of reformation or *cure*? But as a cure cannot be predicted in any case with absolute certainty, the time required for its accomplishment cannot be measured in advance, and there is no rational alternative but that of sentences undefined in extent.

The next, and perhaps the most important to be considered, is, how shall it be ascertained when the moral cure is accomplished? Premising that a strong presumption in favor of reformation is all the certainty that the nature of the case will admit of, and bearing in mind that upon careful analysis all moral certainty resolves itself into a high degree of probability,—such a probability as justifies us in acting upon it,—we find the problem practically solved for us, not only in the Old World, but in the New.

#### IRISH PRISON SYSTEM.

The *former* we find in what is known as “The Irish Prison System,” devised and inaugurated at Dublin in 1854, by Sir Walter Crofton; the latter in the government of the New York House of Refuge on Randall’s Island.

Under the Irish system, the convict is brought to understand that his fate is measurably in his own hands; and the opportunity is afforded him, during his imprisonment, through industry, learning, and good conduct, to raise himself, step by step, to positions of greater freedom and comfort, while idleness and bad conduct produce the contrary result. There are four distinct stages in this system.

The first stage is one of solitary confinement under circumstances of great privation, designed, apparently, to show the *power* of the government to compel the most refractory to obedience, as well as to demonstrate in the future by its contrast with the indulgences of the more advanced stages, the advan-

tages to be gained by good conduct, and what the prisoner may be liable to fall back to, by remand, for ill conduct. Under its discipline the most obdurate and defiant wills are found to yield. The duration of this strict imprisonment is usually eight months, but may be reduced by uniform good conduct. At the end of the first four months, however, the privations are considerably modified. At first the seclusion is absolute; then the cell door is thrown open a part of the day, and afterwards during the whole day. This is felt to be a great privilege after four months of total seclusion, and is withdrawn for any misconduct. Meantime, the system is minutely explained to the prisoner, and the explanations are repeated till he fully understands them and is impressed with the conviction that his condition during his imprisonment will depend mainly on his own conduct, while his treatment by the officers satisfies him that they are really concerned for his welfare. The usual effect of this first stage of imprisonment is to plant in the convict's mind the feeling that there must be an active co-operation on his part with his keepers in the effort to effect his improvement, moral, mental, and industrial. Its operation is to cause the antagonism he first felt towards the authorities to gradually melt away, and replace it with the feeling that kindness and sympathy have met him where he looked only for harshness and oppression.

The second stage embraces four classes of different grades. Its operation is that of progressive classification, in which the convict advances from one grade to another by merit marks; these marks being given severally for general good conduct, for diligence at work, and for the desire shown for improvement in education,—*not for actual progress made.*

The design of the marks given is in a great measure to realize to the mind of the convict "that his progress to liberty, within the period of his sentence, can be furthered only by the cultivation and application of qualities opposed to those which led to his conviction." Mainfold inducements to good conduct

and obedience are held out to the convicts in this stage, besides the progress toward liberation within their several terms of sentence. Such distinctions between the several classes are made, and such rewards and privileges are granted to each, as, without impairing the discipline, are fitted to invite and encourage them in a course of vigorous self-restraint and self-culture, the great effort of the authorities being to induce the prisoner to become the principal agent in his own reformation.

The third stage of this system is termed the "intermediate prison," and is so called because it holds a middle ground between an imprisonment strictly penal and a condition of full liberty. The imprisonment here is almost wholly moral. Walls, bars, and bolts are discarded, and very little supervision is employed. In the Irish system, two principles are never lost sight of, viz., *first*, the necessity of placing the felon at the outset under rigid restraint, and making him feel "that the way of the transgressor is hard;" *second*, the reformation of the offender being the ultimate object in view, that this restraint must be gradually relaxed, and the lesson of active exertion and self-control be imparted in place of that of mere passive submission to authority. This third stage is but slightly penal, and those passing through it have almost as much freedom as laboring people in civil life. While engaged in the labors of the day they converse together as freely as laboring men do, no restriction being placed upon them in this respect, except those self-imposed restraints which result from an honest and diligent attention to work.

Instruction, religious and secular, is still faithfully imparted. The almost unfailing effect of this course of training is a waking up of the dormant powers of intellect, and a development of all the elements of manhood.

The fourth stage of the Irish convict system is a period of further and final test of the reformation of the convict. He is discharged from the intermediate prison under a conditional

pardon, certified by what is called a ticket-of-leave, or ticket of license.

The convict who violates any of the conditions of his license and thereby forfeits the same, is sure to be returned to close confinement, but he is eligible to promotion again by good conduct. No convict, however, who has passed through all the successive stages of this system, and after a full discharge, commits fresh crime, and is again sentenced to prison, is permitted to go through the same course of training and trial a second time. Police supervision of convicts released on license is real and effective in Ireland. The conditions of the license are stringently enforced, a course which has proved as beneficial to the convict as it has to the public.

The foregoing sketch of the nature of the Irish Prison System is condensed from a detailed account of the same contributed to "Hours at Home," by the Corresponding Secretary of the New York Prison Association.

It is proper, lest misconception should arise from the use of similar terms for dissimilar things, that we should point out the distinction between prisons bearing the common term "intermediate." The prison called "intermediate" in the Irish system is one occupying a place between strict penal confinement and full liberty; the "intermediate prison" recommended in this report, and the institution to which the term is generally applied in this country, is one occupying a place between the House of Detention, or the County Jail, and the State Prison.

#### NEW YORK HOUSE OF REFUGE.

The solution on this continent of the problem for ascertaining the *cure* of the criminal disease, is to be found in the system of management of the House of Refuge, under the very able superintendency of Mr. Israel C. Jones, on Randall's Island, New York. It is true this institution was created and is maintained for the care and reform of juvenile delinquents,



but its system does not on that account appear to us to be less applicable for adult reformatories.

As in the Irish prisons, which we have just been considering, the leading feature of the New York House of Refuge is the mark system.

In the second annual report of the Board of State Commissioners of Public Charities, made in 1869, the Commissioners give the following synopsis of the plan on which this admirable institution is conducted :

“ This institution is organized on the congregate plan, and not on the family or separate system. Its leading feature consists in its system of grades, of which there are four. The rank of the child in these depends upon good conduct, which is established by daily marks. The grade is re-settled each week in the presence of the division, and the child's rank is raised or lowered according to the number of marks. The continuance in grade number one for three months advances the child to the Class of Honor, and like good conduct for one year entitles him to a discharge if the highest class in school has been attained. The power of earning a discharge has a most important influence upon good conduct. It is said that every boy knows his position in reference to a discharge, and can respond at once when he can be released. The managers have seized upon the golden rule, that ‘ punishment should be made to consist as far as possible in the taking away of *privileges* conceded for good conduct.’ It is believed that there is a power in this principle not half understood, and that it may be made, with perfect publicity and fairness of administration, productive of the most valuable results.

“ As a general rule, young men under twenty-one should be sent to an institution organized on the plan of a reformatory. Their sentences should be ‘ reformatory sentences,’ and they should be able to earn their discharge by good conduct. A new institution might be established which should embrace all young men of this class between sixteen and twenty-one.

This is believed to be the great need of the hour. The annual stream which is pouring into our State Prisons might thus, in a measure, be checked."

The spirit governing the method of classification in the House of Refuge is well illustrated in the following section of chapter XXI, of the by-laws of the institution :

"*Section 1.* The boys shall be separated into three divisions, to occupy separate portions of the main building, and shall be designated as the *First, Second, and Third Divisions*. Those who, from their previous career, may be deemed to be disposed and likely to contaminate their companions, or who may exhibit an intractable disposition either before commitment or during their residence in the House, shall be included in the Second and Third Divisions, and occupy the north wing ; those of a less depraved character, and more liable to be injured by the corrupting companionship of hardened offenders, shall be included in the First Division and occupy the south wing. The age of the inmate shall not be conclusive in determining his position, but the danger of imparting and receiving contamination shall be the main consideration."

The chaplain of the institution, Rev. B. K. Pierce, D. D., in his interesting volume—"A Half Century with Juvenile Delinquents," remarks : "The marked feature of the House of Refuge at the present time is, the practical direction which has been given to its long-established system of grades, and the important office which it is made to accomplish in the discipline of the House. So manifest has been the effect, that the lock-ups, which were constructed in the House at its opening for separate and solitary punishment, have been every one of them removed, and a large, open dormitory has been constructed in their place. Corporal punishment has been in this way reduced to an exceedingly small percentage, and a general appearance of cheerfulness and hopefulness has been secured throughout the institution. In the Appendix to this volume the system is presented in detail. The boy is met when he

enters the House (and the same is true of the girl) with the assurance that the hour of his discharge is in his own hands. The two simple rules of the Refuge (1st, 'Tell no lies,'—2d, 'Always do the best you can') are recited to him, and the effect of obedience to them upon his standing and comfort in the House, and upon the time of his discharge, is clearly and fully explained to him. If in the school, in the shop, in the yard, and everywhere, he always tells the truth and does the best he knows how, he will receive and hold the grade 1. If he retains this grade for a year, and has advanced to the fourth class in school, he has purchased his discharge by good conduct, and the door that has detained him opens before him as soon as his friends or the institution can secure a suitable place for him."

The Superintendent, Mr. Jones, in his annual report for last year, says:

"In this way a new life is begun, self-restraint is imposed, diligence, hitherto untried, is acquired, and by perseverance in well-doing, inspired, it may be, at first not by the highest motives, good habits become fixed. By securing the respect of others the lad learns to respect himself, and gradually but surely an entire reformation, in a large majority of cases, is the result."

This Commission together visited the House of Refuge on Randall's Island, in July last, and have pleasure in bearing testimony that our observations led us to believe that the institution is fully entitled to all the commendation it has received.

The Executive Committee of the Prison Association of New York, in their report for 1869, remark: "If the character of sentences were so changed that the release of prisoners was made dependent on their reformation, or at least on the accumulation of a certain amount of marks as the result of good conduct, industry, and progress in learning, such an element in their imprisonment could not fail to be powerfully operative in the direction of their moral amendment."

And the Earl of Carnarvon has shown that the system has been applied with marked success, by the visiting Justices in the gaol of Hampshire county, in England.

Having seen the inequality and frequent injustice of time sentences, we think the foregoing array of argument in favor of the practical results of indeterminate or reform sentences ought to be conclusive with all reasonable minds.

#### DISCHARGED CONVICTS.

But the most perfect conception of prison discipline must be comparatively valueless, unless adequate provision be made for the welfare of discharged convicts. If such a man be brought up for a second or third offense, and be convicted, the severity of his sentence is generally increased by the fact of his previous convictions. Such is the dictum of society pronounced in its own self-defense, and usually regarded as equitable. Society complacently looks upon the fresh crimes of the individual as proofs of his innate depravity, and seldom pauses to consider how far society itself is responsible—fearfully responsible—for these criminal acts. When a discharged convict re-enters the world, he may have the best intentions as to his future life, and the strongest resolves to do right and pursue an honest career. Is it in his power to keep them? In looking for employment, the fact of his having been a convict, if he make it known, as a general rule will shut the doors of society with ignominy against him. Society thus tempts him at the outset, as the only alternative that he has, to lie about his previous record when inquired into, in order that he may not be abruptly and perhaps insultingly denied the opportunity to commence earning his bread by honest work. If he yield to this first temptation, where can he go and be certain that sooner or later his having been a convict will not be discovered, and his discharge from employment immediately follow? In that event the fact of his having misrepresented his previous occupation, though nothing else may appear

against his thorough reform, it is set down as an additional mark to his discredit, and after a few trials he finds society has set a ban upon him, and placed the mark of Cain on his forehead.

The history of convicts is full of such experience, and innumerable instances could be adduced where the individual finds it *impossible* to carry out his virtuous resolutions. Meantime he is surrounded by the strongest temptations and inducements—the pressure of want, and the solicitations of old associates—to return to a life of crime. To resist these successfully he *must* be aided by some kindly influence for his moral support. Society owes him the aid, not only for his benefit, but for its own protection. If it be afforded, he will probably be kept from the evil path; if withheld, he is likely to become only more hardened and embittered against society, and to return with added violence to criminal pursuits.

This is an old question, at home and abroad, and if any effort is to be made in Michigan to reform our criminals, their treatment after release must enter largely into the plan, or the rest will be comparatively nugatory. As long ago as 1803, in a communication to the Mechanics' Association of New York, Edward Livingston, who has been justly named "the father of legal and penitentiary reform in this country," when he was mayor of that city used this language: "It must be evident that nothing will tend so much to defeat the principal object of reformation, and at the same time to endanger the security of the city, as the situation in which those stand at the time of their discharge, who have undergone the sentence of the law. The odium justly attached to the crime is continued to the culprit after he has suffered its penalty. He is restored to society, but prejudice repels him from its bosom. He has acquired the skill, and has the inclination to provide honestly for his support. Years of penitence and labor have wiped away his crime, and given him habits of industry and skill to direct them. But no means are provided for their

exertion. He has no capital of his own, and that of others will not be intrusted to him. He is not permitted to labor, he dares not beg, and he is for subsistence driven to plunge anew into the same crimes, to suffer the same punishment he has just undergone, or perhaps, with more caution and address, to escape it. Thus the penitentiary, instead of diminishing, may increase the number of offenses."

An evil so early recognized, of course has not been without efforts in various quarters for its amelioration. In our own State, however, we know of no systematic endeavors at remedy having been attempted, except in the instance of that praiseworthy institution, the Detroit House of Shelter, established two or three years ago, the design of which, however, is limited to females discharged from the Detroit House of Correction.

But, to achieve beneficial results in this direction, it is no longer necessary to grope in the dark. The Irish Prison System already discussed is not satisfied with merely reforming criminals. An essential part of its scheme is to take care of the interests of manumitted prisoners by finding them remunerative employment after their discharge. The spirit of the whole system has this end in view, and the treatment in the advanced stages is devised with the two-fold object of convincing the convict that you really trust him, and convincing the public that the discharged convict may be safely employed. The government has an agent in Dublin (Mr. James Organ), a part of whose duty is to find employment for these men. When he began this work fourteen years ago, it was with the greatest difficulty that he could find places for any. Now, the difficulty is reversed, so that *it is harder for an employer to get a liberated convict than it is for each convict to find an employer.*

In a late report by Mr. Organ, he says: "Crime is fast disappearing in Dublin, and old and habitual thieves are becoming honest and industrious citizens, whilst homes that have

hitherto been the scenes of vice and poverty are now replaced by those of morality and plenty. Employers continue to repose confidence in my men, and *the demand for them during the past year has at times exceeded the supply.*"

What a contrast to the position of liberated convicts in this country.

Speaking of the intermediate Agricultural Prison at Lusk, about twelve miles from Dublin, Mr. Organ says: "I cannot speak too highly of the cheering effects which farm labor has produced, even upon the most sluggish criminals, or of its happy results even upon the cool and calculating adept in vice, from whose brow the honest drop of sweat never trickled." Further, that he regards "as proved in innumerable instances that the most indolent criminals can be trained to honest and independent toil, not so much through fear or coercion, as through the influence of hope and encouragement."

Again, to use the language of Rev. Dr. Wines: "Besides effecting the remarkable change just mentioned, thereby removing all obstacles out of the way of the re-absorption of discharged convicts into virtuous society, which remains among us the most difficult and perplexing of all the problems we have to grapple with, the result of this system has been to diminish crime in Ireland more than fifty per cent. The number of convicts confined in government prisons in 1854 was 3,933, in 1866 it was only 1,637. \* \* \* Hence, it would seem that for Ireland the vexed problem, what shall be done with our criminals? which has been for ages a *crux terribilis* to the nations, has been satisfactorily solved."

As regards the question of expense, we have already seen that the best reformatory prison we have, the Detroit House of Correction, is a money-making institution under the able executive management of Mr. Brockway, and that the reform system in Ireland, in fourteen years, has converted one-half her criminals into honest and industrious producers; and so long as criminals continue unreformed it is a fair subject of inquiry

whether, when at large, they do not cost the community much more than when kept within the walls of even expensive institutions.

Since the members of this Commission agreed upon making the recommendations herein contained, in regard to prison reform, the views set forth have been strengthened by the adoption at the National Congress of Penitentiary and Reformatory Discipline, which was held at Cincinnati in October last, after full discussion, of a "Declaration of Principles," among which are the following :

"III. The progressive classification of prisoners, based on character, and worked on some well adjusted mark system, should be established in all prisons above the common jail.

"IV. Since hope is a more potent agent than fear, it should be made an ever-present force in the minds of prisoners by a well devised and skillfully applied system of rewards for good conduct, industry, and attention to learning. Rewards, more than punishments, are essential to every good prison system.

"V. The prisoner's destiny should be placed in his own hands; he must be put into circumstances where he will be able, through his own exertions, to continually better his own condition. A regulated self-interest must be brought into play, and made constantly operative.

"VIII. Peremptory sentences ought to be replaced by those of indeterminate length. Sentences limited only by satisfactory proof of reformation should be substituted for those measured by mere lapse of time.

"XVIII. The more valuable parts of the Irish prison system—the more strictly penal stage of separate imprisonment, the reformatory stage of progressive classification, and the probationary stage of moral imprisonment and natural training—are believed as applicable to one country as another—to the United States as to Ireland.

"XXXI. The construction, organization, and management of all prisons should be by the State, and they should form a



graduated series of reformatory establishments, being arranged with a view to the industrial employment, intellectual education, and moral training of the inmates."

#### STATE PRISON.

On the subject of the State Prison at Jackson, it seems only necessary to add, that if intermediate district prisons shall be established, it would, in the general plan, be a prison for the custody of the worst and most incorrigible class of criminals, the discipline of which might be modified so far as practicable to carry out the general principles recommended; and power might be vested in some authority for the removal of any of its inmates to intermediate prisons when fit subjects for such action should be found.

#### PAUPERISM.

In all organized communities there has been more or less pauperism. The subject has engaged the attention of the philanthropist, philosopher, and legislator from the days of Moses to the present time. The poor have existed under all forms of government, whether Theocracy, Monarchy, or Republic, and the amelioration of their condition, or the removal of the causes which lead to destitution and poverty, has been the subject of legal enactments and voluntary efforts in all countries advanced in civilization.

The progress made in the removal of this, as of other great social evils, has hitherto been exceedingly slow; and although we should expect that the entire destruction of pauperism can only be accomplished when the whole people shall become perfected in everything that makes man good and wise, yet we see, in looking over history, that it has been lessened by wise laws, and increased by pernicious legislation.

That the subject should engage the serious consideration of the people, is shown by the magnitude of the evil in Michigan, and more especially in some of the older States of this country and under the governments of Europe, where the number

of paupers swell into mighty armies, and the annual expenditure to feed and clothe them amounts to many millions of dollars.

In the State of Massachusetts the number of paupers in 1868 was 11,133, and the cost of their support was over one million dollars. The whole number in alms-houses in the State of New York in 1867 was 13,690, and the amount expended for their maintenance and for out-door relief for the same year, was \$2,387,023. Besides this expenditure, very large numbers in these States are maintained in private charitable institutions. The amount expended in England and Wales, during the sixteen years from 1818 to 1834, was between thirty and thirty-five million dollars annually. The amount of poor rate levied in those countries in 1859 was \$40,541,110,—the population being for that year 19,578,000. Very large numbers in these countries are also relieved by private charities.

The largest number at one time of paupers in the county poor-houses of this State in 1869 was 1,478, and the amount expended for their support in the same year, exclusive of the amount raised on the county farms, was \$117,515 59. The amount expended during the same year for out-door or temporary relief, was \$148,611 69.

The percentage of paupers in new States is always less than in the older ones, on account of the greater demand for labor, the simpler ways of life, and the greater ease of obtaining the means of support. As our State becomes more densely populated, and our cities increase in size, we may expect to have a condition of things not unlike that which we find in older countries, unless we check the progress of this great social evil by wise and timely legislation, and a diminution of the causes which lead to poverty and destitution.

The evils now existing in the pauper system of this State we have already attempted to point out. A very prominent cause of these evils is a *want of proper classification*. We have seen that the aged, the young, the insane, the demented,

the idiots, the common vagrants, those who have been reduced to destitution and want through lives of vicious indulgence and crime, and those who are without a blemish on their character, are collected together in the county alms-houses, promiscuously; eating from the same table, congregating idly together in the same rooms,—the foolish with those wiser,—the vicious and criminal with the pure and unspotted,—without order or system, and generally with no attempt to improve or make them better, physically, morally, or mentally. It cannot be claimed that these evils are the result of the imperfect institutions of a new State, which will disappear as we advance in age, wealth, and population.

The condition of the county infirmaries in the State of Ohio, and of the poor-houses in the State of New York (except in the large cities), as made known by the reports of their Boards of Public Charities, give us no hope of improvement by age, unless we can claim a better class of people than theirs,—a proposition that will hardly be maintained when it is considered that a large proportion of our population is composed of emigrants from those States, and that our institutions are very similar to their own. The reports above referred to are full of sickening and disgusting details of the condition of the paupers in very many of the county institutions of those States; some of the very worst ones being in the oldest and most populous counties.

The want of proper classification and care is not the fault of those who have these matters in charge, but in the system. The number in each county poor-house is usually so small, that classification is impracticable. In all small institutions of this kind, the care of paupers is almost universally custodial. It is only by congregating large numbers, as in the institutions for the poor in large cities, and in the State alms-houses of New England, that anything like classification or improvement in the moral or mental condition of the inmates can be undertaken successfully. We believe that a wise economy

requires that classification should be attempted at no distant day in this State, so that the different classes may be subjected to management adapted to their various conditions; and to provide for such classification we deem just and prudent legislation desirable.

The following classes of paupers in this State may very well be made, and their treatment considered separately :

1st. The Insane.

2d. Idiots and the Feeble Minded.

3d. Children under sixteen years of age.

4th. Dissolute Paupers.

5th. The Old, the Infirm, and the Diseased.

*1st. The Insane.*

There were in the county poor-houses, at the time of our examination of the same, during the year 1869, 215 insane paupers, exclusive of nine of the smaller counties which were not visited. As may be seen from the statements heretofore made in this report, the present system of providing for this class of unfortunates is bad in every particular, and such as should not be encouraged by any philanthropist or statesman. This class, like the pauper idiots and the children who through misfortune are subjects of public charity, as we have already suggested, should be the wards of the State.

Being alike helpless, the State should see that those laboring under mental disease or imbecility should have careful and skillful treatment to restore their minds, if possible, to a healthful condition; and the helpless children should be so educated and trained as to give them a fair chance to become useful citizens, instead of growing up under the contaminating influence of life in the county poor-house.

All insane persons, whose condition is such as requires their being kept in custody, should be under the care and supervision of competent medical men, who understand from training and experience, the proper management of this class of persons.

After a careful examination of the condition of the pauper insane, as found in the county institutions in this and other States, the members of this Commission wish to express, in the strongest terms, their condemnation of the whole system of county custody of this class. In the State of New York, where this system has been long in operation, the result has been such as to call for its condemnation by all persons and commissions who have investigated the matter. Miss Dix, twenty-five years ago, presented the terrible condition of the insane and other paupers in the county poor houses, in a memorial to the Legislature of that State. A select committee appointed by the Senate in 1857, composed of Mark Spencer, George Bradford, and M. Lindley Lee, to visit charitable institutions and city and county poor-houses, in their report condemn, in the strongest terms, the abuses of the insane in the county poor-houses and small county asylums.

Again, in 1865, Sylvester D. Willard, M. D., having been appointed by the Assembly of that State to investigate the condition of the insane poor in the various county asylums and poor-houses in the State, makes use of the following language: "They" (the poor-houses) "have become filled to an excess of human misery, degradation, and wretchedness, that wrings a cry of distress from the heart of every philanthropist. These evils have become so great and so glaring that they are a stigma upon the class of our charitable institutions where insane poor are confined, upon our communities, and upon the fair name of our State. The facts elicited by this investigation are too appalling to be forgotten, and too important to be thrown aside."

Again, in the report of the Board of Public Charities for 1869, after giving the details as they existed in the various counties, of the care and treatment of the pauper insane, they sum up as follows: "The result of these details is that in some one or more of the counties there are these forms of abuse. The buildings are meagre, or greatly out of repair,

with broken walls or floors, and badly arranged as to convenience of light and ventilation. There are cells for the confinement of the insane, sometimes in prison style, with heavy, grated doors; again, in the basement, with imperfect light; again, in the form of dungeons, wholly dark and without any furniture. The air of the rooms is close, and the stench intolerable. The cells are dirty, the beds torn in pieces, and the floor littered with straw and bits of clothing. Rats at times perform the duties of scavengers.

"Into these pest-houses the insane are crowded, associating with idiots, and paupers of sound mind—adults as well as children. The excitable and noisy may be confined in cells in chains, close neighbors to the inoffensive and quiet. Two of them may be locked up in a single cell. Among them may be those who are filthy in their habits, others are partially or entirely nude,—females as well as males,—and continuing in this condition for months and even years. Here are chronic cases of thirty-five years' standing; here are also recent cases, without any special medical treatment, or any official effort made to secure their admission to the State Asylum. The insane receive no other care than that awarded to paupers; not unfrequently incompetent paupers are the keepers and attendants, and at times they are treated rudely and severely. They suffer from medicine administered without the knowledge of a physician. The county authorities are sometimes parsimonious, and furnish no chairs, or muffs, to control excitable patients. Is it a wonder that many are in a state of constant irritation, or the dreary record is so often found, that of large numbers discharged from the State asylums and found in the county poor-houses, few if any have materially improved? Will the people of the State of New York, when they comprehend the inhuman treatment the insane poor sometimes receive, leave a system in unchecked operation which admits of such enormities? Though we have spoken emphatically concerning the mismanagement of poor-houses, our views are

not without the most respectable support in the examination and conclusion of others. *The evils deplored are chronic, and again and again have thoughtful men held them up to notice.*"

We have quoted thus freely from these reports to show where certainly we in this State are drifting, in the care and treatment of the pauper insane. Our population, as we have said, is composed, to a great extent, of emigrants from the State of New York, and their descendants. Our poor-laws are copied very nearly from those of that State, and we cannot reasonably expect that they will be better administered. As has been already shown, the condition of the insane in many of our poor-houses is in some instances quite as bad as it is there. Already the houses are filling up with insane persons, many of them recent cases, who have never had, and we fear never will have, under the present system, any proper medical treatment for their cure, on account of the parsimoniousness of the authorities having the matter in charge, and from want of sufficient accommodations in the State Asylum.

Shall we, too, drift along in the ruts of our ancestors, and for want of proper foresight and just legislation, suffer so many of our fellow-beings, deprived of that greatest gift of God to man,—reason,—to eke out a miserable existence amid all the sickening and disgusting scenes so vividly portrayed in the reports from which we have quoted?

We recommend to the State to take the matter into its own control, and make provision for the proper care and treatment of the insane paupers. On grounds of humanity, they should be treated as wards of the State. Not only should the State provide for the care and treatment of the *paupers* of this class, but suitable provision should also be made to enable residents of this State who have insane friends or relatives whom they wish to put into an asylum, and for whose care and treatment they are able to pay, to do so.

There is an urgent necessity that the State should provide immediately increased accommodations for the insane, whether

it assumes the control of the whole of that class who are supported by the public or not.

According to the estimate of competent authorities, we must now have, unprovided for, from six hundred to eight hundred insane persons in this State, who should be under the control and management of competent medical men. There is scarcely a neighborhood that is not afflicted or annoyed with one or more unsafe and disorderly insane persons, and no tax would be more cheerfully met than that which will provide for their custody and treatment.

The average cost for the buildings alone of thirteen of the leading Insane Asylums in the United States has been \$1,248 for each patient, and the most of these were erected before the great advance in prices which occurred during the war. The expense of establishing our own State Asylum at Kalamazoo, including land and all other expenses, as we understand, exceeds \$1,600 per patient.

We are aware that if the State shall provide for all the insane who should be in asylums, it will be attended with a very considerable outlay of money. Following the example of older States, Michigan has been very generous in expenditures for the erection of the institutions already established; we are satisfied, however, that the opinion of many of the best informed men on these subjects (in which opinion we fully concur) is that the construction account of similar institutions to be hereafter erected may be materially lessened without detriment to the objects to be attained.

We would not advise cheapness or parsimoniousness in the care of the insane, but would respectfully submit whether it would not be wise, in view of the great magnitude of the work, and the amount of money which must necessarily be expended in providing for all of those in the State who need treatment, to take into careful consideration the question of expenditures, and seek whether any improvement in the system of management can be judiciously instituted; and in the con-



struction of buildings, while we would secure everything that the most scientific treatment may demand, we would recommend utility and permanency without expensive ornamentation and display.

Whenever it is deemed advisable to establish any institution, it would be much more economical, after careful estimates of the cost of construction, to appropriate the whole amount required at once, or as rapidly as the money may be needed.

The cost of our present asylum has, we believe, been considerably increased by the irregularity of the work, for the want of timely appropriation of funds.

An addition of two buildings to our present asylum, capable of accommodating one hundred each, one for males, and the other for females, could be economically accomplished, and afford increased facilities for classification of the inmates of the whole institution. An urgent and immediate demand exists for additional provision, and either the enlargement should be made, or a new institution established at some other point at the earliest possible time.

Only two objections occur to this Commission against the enlargement of the present asylum. One is that the number of inmates would then perhaps be too large to be successfully and profitably treated by one man, who, we conceive, should have close supervision of all the affairs of the institution in order to insure the most beneficial results financially and otherwise. If thus enlarged, the number of patients would exceed considerably that of most institutions of the kind in the country.

The present very able superintendent is of the opinion that an asylum containing five hundred inmates can be successfully managed financially, and the patients treated with the greatest degree of success obtainable under the present system, by one man with well trained subordinates. With an asylum of the size of ours at present, the State should rather err in not increasing its capacity than in getting it too large.

The second objection which would favor the establishment of a new asylum, is the well ascertained fact, that communities remote from such institutions are not as likely to avail themselves of their advantages as those who are near, and it is deemed important that the early and prompt application of treatment in insanity should be encouraged.

If the Legislature shall decide that all insane paupers shall be under the control of the State, we would recommend the establishment of another asylum immediately, to be fully equal in all respects to the best of the kind in the country, so far as *curative* agencies are concerned. No change of system should be adopted with the sole view of cheapness of maintenance, but if industrial employments should be introduced as a part of the regime, it should be because they improve the physical and mental condition of the inmates, and the profits arising therefrom should be incidental and not the end sought.

We are opposed to the establishment of any institution of this class solely for supposed incurables, and which shall be only custodial in its character.

It would be well for the State to pursue that course on this most difficult and embarrassing subject, which will be comprehensive in its results, and will give to *all* the insane that care and treatment which justice and humanity demand. A few thousand dollars expended now in settling upon some definite plan, which would require more time than this Commission with its manifold duties is able to give, may save hundreds of thousands of dollars in the future, and ensure thorough and scientific treatment or proper custody to all insane persons in the State. We can point with pride to our noble institution for the insane, which is a credit to the State in its architecture and imposing appearance, and stands as evidence of our material prosperity, and of the enlarged views and noble hearts of our legislators. Its management, under the present able superintendent, is spoken of as a model of excellence at home and abroad, but we must remember that eighty per cent of

its incurable inmates are remanded to miserable homes, or to the county poor-houses, such as we have shown them to be, and that the change from an abode in this costly and spacious edifice, with all its comforts, to the sickening and disgusting scenes of many of the pauper homes, is truly appalling. We must remember, too, the large numbers in our State, who, for want of sufficient accommodations, can have no treatment; that our present asylum is filled to its utmost capacity, and that over one hundred have been turned away within the past year for want of room.

*2d. Idiots and the Feeble-Minded.*

The same reasons may be assigned with greater force for the State to assume the control of this unfortunate class of paupers, that have been given for the care of the insane. Their condition as we have found them in the county poor-houses, is in many instances deplorable in the extreme. Language would fail to convey an idea of their forlorn and utterly hopeless condition.

The readiness of the people of this State to adopt all reasonable measures for the elevation of those who should be under its care and protection will not permit them to be long without an institution for the education and improvement of this class, which, as Dr. Samuel G. Howe remarks, "is far, far more deplorably afflicted than the deaf-mutes, the blind, or insane, for whom the State, to a great extent, has provided."

We have now in the county poor-houses about 75 idiots or feeble-minded persons. There are in the whole State, according to estimates of competent authorities, about one thousand idiots.

The corner-stone of the first public institution built expressly for the education of idiots in this country, was laid at Syracuse, New York, on the 8th day of September, 1854. An experimental school for idiots had been established in Boston, in 1846, under the auspices of the State of Massachusetts, and a private institution for the same purpose was established by Dr.

H. B. Wilbur, at Barre, Mass., the same year. In 1852 a private school had been founded in Germantown, which soon became the Pennsylvania Training School for Idiots at Media. The States of Connecticut and Ohio, in 1855 and 1857, Kentucky in 1860, and Illinois in 1865, established similar schools. We have thus eight schools in the United States devoted to this purpose, in which about one thousand pupils are constantly receiving training and education.

The result of the experiments to develop the minds of this unfortunate class is found, after careful analysis, to be, that of idiots not affected with epilepsy, who are brought under instruction in childhood, from one-third to one-fourth may be made to perform the ordinary duties of life with tolerable ability. They may learn to read and write, to understand the elementary facts of geography, arithmetic, and history, to labor in the mechanical arts, under proper supervision, and to attain sufficient knowledge of government and morals to fulfill many of the duties of a citizen.

A larger class, probably one-half of the whole, will become cleanly, quiet, able, perhaps, to read and write imperfectly, and to perform, under the direction of others, many kinds of labor requiring little thought. The remainder will make little or no improvement.

Dr. Edward Seguin, an eminent French physician and philanthropist, who may be considered the originator of the present system of education for idiots and feeble-minded persons, and who is considered the highest authority on this subject, says: "Not one in a thousand has been entirely refractory to treatment; not one in a hundred who has not been more happy and healthy; more than thirty per cent have been taught to conform to social and moral laws, and rendered capable of order, of good feeling, and working like one-third of a man; more than forty per cent have become capable of the ordinary transactions of life under friendly control, of understanding moral and social abstractions, of working like two-thirds of a man; and twenty-five to thirty per cent come

nearer and nearer to the standard of manhood, till some of them will defy the scrutiny of good judges, when compared with ordinary young men and women."

When we look at the helpless and hopeless condition of the idiots and feeble-minded persons in our county poor-houses, and reflect on the large number of that class in the State, many of them certain to be led into evil habits and crime, when we know that by proper care and training a large proportion of them may be made useful citizens, and others raised from their condition of utter helplessness to take proper care of their own persons, we feel like urging upon the State the early establishment of an institution for their training, education, and care. Such an institution should provide for the custody of all the pauper idiot and feeble-minded children of the State, and give instruction to those who can be benefited by it, and at the same time, if deemed advisable, it could be made sufficiently extensive to offer its benefits to those citizens of the State who may have any of that class whom they wish to enjoy its advantages, and who are able to pay for such privileges.

So far as the pauper class is concerned, the expense of maintaining them under State control in one large institution would not materially differ from that of the present system of county custody, while it offers the advantage of giving them the benefit of the chance of being educated to become producing citizens, instead of remaining as they are, and always will be under the present system, non-producers, and often very loathsome ones.

#### *Pauper Children.*

Very much stronger reasons can be given for the removal of the pauper children from the county poor-houses than can be given for the removal of the insane and idiots. *They* have all their faculties, and are to grow up to fill places in the State for weal or for woe. Who can doubt for a moment, when they know the influences by which such young persons are sur-

rounded, that very many will be lost to themselves, and many more will become criminals, and inmates of our penal and correctional institutions. There is no doubt that this class, unlike the insane and idiots, can all be trained and educated.

The condition of the children in county poor-houses has been the subject of serious thought, and has called forth great commiseration from committees, boards of public charities, and philanthropists in many of the States, yet they are left, in most cases, to remain amid those baneful influences, and legislators, unmindful, as we think, of the true interests of the commonwealth, still suffer them to grow up to become permanent charges upon the State, as large numbers of them, unless otherwise provided for, must inevitably become fixtures in our charitable, reformatory, or penal institutions. This great stream of evil should be turned aside at its source, where small means and slight influences will accomplish it, and not suffered to become the mighty torrent, carrying devastation before it. The number of children in almshouses in the States of New York and Ohio have become so great that the authorities are perplexed to know what to do with them. The number in the county poor-houses in New York, in 1869, was 1,222, and their Board of Public Charities, in their report for that year, say: "The existence of this large number excites the most painful feelings. Many of them are born in the county-house, and pass there the early days of childhood. When we remember how their earliest experience of life is public dependence under its most unfavorable aspect, in the company of the wretched and depraved, when we recall their education to vicious and filthy habits, we cannot be surprised that they either fill our prisons or furnish a perpetual supply of occupants of our alms-houses. Shall we not, in this manner, fasten upon ourselves a class of hereditary paupers?"

The Board of Public Charities for the State of Ohio, in their report for 1869, say: "Heretofore, the Board have felt constrained to urge the care of the infirm children upon the State. The statistics for the past year are such as to

bewilder judgment as to what is best, as promising needful relief to this class of dependents, and as to meeting the social and moral obligations of the State. There is an aggregate of 947 children in the several infirmaries in the counties. These figures suggest a problem to the solution of which the State may well devote its utmost wisdom. Nearly one thousand children in the poor-houses of Ohio! What is to be done with them? Think of their surroundings. The raving of the maniac, the frightful contortions of the epileptic, the driveling and senseless sputtering of the idiot, the garrulous temper of the decrepid, neglected old age, the peevishness of the infirm, the accumulated filth of all these; then add the moral degeneracy of such as, from idleness or dissipation, seek a refuge from honest toil in the tithed industry of the county, and you have a faint outline of the surroundings of these little boys and girls. This is home to them. Here their first and most enduring impressions of life are formed. If it be sad to think of a thousand little boys and girls, all more or less intelligent, many of them bright and beautiful, in such homes as these, how deeply must every human sympathy be touched with the reflection, that to these little children the poor-house is 'all the world.'"

We have now in the county poor-houses in this State, 212 children under sixteen years of age,—not including nine of the smaller counties which were not visited. It is the earnest conviction of all the members of this Commission, that these children should be taken from the county poor-houses and made the wards of the State, and that they should be indentured out in families, or placed in orphan asylums, or in a school provided by the State, like the State primary school at Munson, Mass.

It would be wise for the State to encourage the establishment of private orphan asylums, by placing therein as many of these children as the officers of such institutions are willing to receive, and allowing them an amount for their maintenance which would be equal to the expense of keeping them in the

alms-houses or primary school. In this way they would be reared and trained in virtuous ways, and at the proper age placed in private families, and thus very likely become good and useful members of society.

But if our poor-houses can not be relieved of their children by a regular system of placing them in families, or by their admission into orphan asylums, we would advise the establishment of a State primary school, where the children, until they could be indentured or adopted in families, could be educated morally and mentally, and also taught habits of industry.

But we would express our conviction that *institutional life should be avoided as much as possible*, as we consider the rearing and training in families as more natural and far superior in all respects, while we would also strongly urge the necessity of supervision of indentured or adopted children by some competent officer, who shall frequently visit them, and ascertain if the child is well cared for and the conditions of the indenture are being fulfilled.

With some such arrangement we are fully satisfied that judicious and humane persons would generally concur, and we firmly believe that thereby many children, who would otherwise become confirmed paupers and criminals, and permanent fixtures in alms-houses and prisons, would grow up to be useful citizens and an honor to the State.

There is a class of children in all communities, who are not paupers or criminals, but who should be protected and trained by the State. These are the children of parents who neglect their offspring, either because they are vicious or indifferent,—children who swarm the streets, prowl about docks and wharves, and are almost sure to take up crime as a trade, orphans who have no one to provide or care for them, and all vagrant and abandoned children. All such should be gathered into schools, where they would receive that mental, moral, and industrial training, which their own homes or circumstances

•



would never afford them, and from which they might at length be sent out to good situations in the country or elsewhere, where they would grow into virtuous and useful citizens, adding to, instead of preying upon the productive industry of the State.

The schools established for pauper children could also be used for this class of children, as their treatment should be substantially the same.

#### *Dissolute Paupers.*

All persons reduced to pauperism by drunkenness, prostitution, idleness, or any vicious habit, and all common beggars and vagrants are entitled to no indulgence, and should be treated as offenders against the well-being of society. They are the worst class of paupers with which the authorities have to deal. For them, *labor* is the proper remedy. If all such persons were sent to a work-house, where, under the discipline of hard labor and other reformatory agencies, they could be made to earn their living, the State would soon get rid of the expense of supporting large numbers of this class, and our almshouses would be relieved of a great nuisance. It is well known that many of our poor-houses, especially those near the large towns and cities, have a considerable population of these dissolute paupers, particularly prostitutes and licentious persons, who have become diseased and flock to the almshouses to get cured and recruit. The Wayne county poor-house was at one time, we understand, quite noted for being a very good venereal hospital.

The experiment of the State of Massachusetts in treating all this class of State paupers as criminals, and sentencing them from six months to three years to the work-house at Bridgewater, has been attended with very beneficial results. This course has lessened their numbers very materially during the short time it has been in operation. The Board of State Charities for that State say in their report: "Much of the good wrought by the work-house is due to the *long sentences* of

a majority of the inmates. In this respect the institution is most strongly contrasted with the jails and houses of correction, which in other points it resembles. This adds to its power as a deterrent from vicious practices, and is indispensable to the task of breaking up idle and dissolute habits of life."

The master of this work-house says: "The object of continuing them" (the convicts) "here is not only to protect the community against their criminal inclinations, but to *restore them, if possible, to respectability.* \* \* \* Constant employment is given to all that are able to labor, *which is the lever by which we expect to raise them from the slough into which their former idle and vicious habits have cast them*; hence the necessity of the course pursued by the committing magistrate in awarding to some of them longer sentences than is practiced in the criminal courts of the commonwealth."

There would be no injustice to this class of paupers by thus treating them, for if properly managed in work-houses, they would all have an opportunity for reformation, and in many cases their bad habits would be cured, and their evil propensities controlled, if they were "sent up" on sufficiently long sentences. Indeed, the work-house should be a reformatory; and *hard labor*, with education, moral and mental, should be the great means of reformation. At the same time this system would be better than the present one, on economical grounds, for now they are generally kept in idleness, and they are growing constantly more depraved, and this does not lessen, but increases the numbers who are living upon the tithed industry of the country; whereas, by the adoption of this system, they would be compelled to earn a portion of their maintenance, perhaps the whole, and their numbers would be constantly diminishing through the reformatory influences of the work-house, and the deterring effect upon all that class of idle and vicious persons.

The amount earned by pauper labor in the poor-houses

and on county farms, is very small. No thorough or systematic effort is made in that direction. The keepers are not always the most efficient men; and from the uncertainty of the time they may hold their positions, they are too often inclined to get along without much effort at improvement in the discipline or management of the institution.

The amount of salary paid,—which is generally from \$400 to \$700 a year for a man and his wife,—pre-supposes no very efficient executive ability or superior talent. If all the class of paupers now under consideration (which would comprise the largest number in our alms-houses who are able to labor), were congregated in institutions containing from three to five hundred each, it could then be afforded to place over them efficient and competent officers, who would make their labor available and profitable. In every view of the case, it would seem much better that this class should be under separate control, and subjected to rigid treatment. They should not associate with other paupers, on account of their vile conduct and evil influences. They should be made to labor and earn their own living, they should be under reformatory influences, and all persons should be made to know that if they too squander their means through idleness, drunkenness, or vicious courses, and become reduced to pauperism thereby, they will have to pay the penalty by *hard labor and deprivation of their liberty*.

We have set forth good reasons, we think, which could be supported by eminent authority, why a large number of the inmates of the county poor-house should be under different control and management. The difficulties in the way of successful management under the present system have been pointed out, all arising from want of proper classification and judicious treatment of the different classes.

The small number in each of the county poor-houses makes it impracticable that such classification should be made, and induces the employment of incompetent officers on small

salaries. We have aimed to show that the insane, the idiots, the children, and the disolute paupers can only be treated scientifically, humanely, and economically, by congregating much larger numbers of each class together than can be found even in our largest counties, and that this can only be done, and any attempt at classification be made, by the State assuming their control and treating them in State or district institutions.

If the State shall assume the care of these four classes, then there will remain in the care of the counties,

*The Aged, the Infirm, and the Diseased.*

This class requires kind and humane treatment, under the direction of a competent medical officer. The medical care and treatment of diseased paupers, as we have before stated, is, generally, notoriously bad, and we fear that it always will be under the present system. If the State would assume the control of this class, and place them in two or three district hospitals, or more when the numbers become sufficiently large, they could be kindly and humanely cared for, and have thorough and scientific treatment, with as little or less expense than that which attends their present management. In this way homes could be given to the aged and infirm in distinct wards of the hospital. The epileptics could be placed in a separate ward or hospital, and other diseased persons could be classified, and their wants judiciously attended to, as well as humanely and economically.

Whenever such hospital could be located near some medical college, satisfactory arrangements, no doubt, could be made with such institution for the medical care and treatment of the inmates.

Let the State take this whole subject of congregating pauperism under its own control, and establish State or district institutions for the care and treatment of the different classes of paupers, and we are fully satisfied that, with a

system judiciously arranged, pauperism would be reduced, the different classes would be more humanely and properly treated, and the whole matter would be more wisely and economically administered. Let this be done, and then the insane would be scientifically treated, the idiots would be educated and taught to labor, the children would be brought up in wisdom and virtue, the idlers, vagrants, beggars, drunkards, prostitutes, and the whole class of dissolute paupers would be taught by a terrible necessity, that industry and orderly conduct are better for them and for society, and the aged and infirm, and unfortunate but worthy poor, would find a home undisturbed by the raving of the maniac, the drivings of the idiot, or the lewd, blasphemous talk of the drunkard and prostitute.

The amount now invested or to be invested in the different county farms and county poor-houses would probably be sufficient to establish the different State or District institutions. The aggregate amount paid to physicians and keepers would, if applied to the less number of officers required under such proposed system, go largely toward paying the salaries of educated and competent men, who should be placed at the head of these institutions, as well as the salaries of subordinates. It would seem very clear that from three hundred to five hundred of any class so managed as to make their labor profitable, and having their supplies of food and clothing judiciously purchased in large quantities, could be more economically kept than when the number is small. One thing is certain in regard to all public institutions, namely: that very small ones are usually badly managed, and are not economical, and the same may be said of *very* large ones. From three hundred to five hundred is the number that, in the opinion of the members of this Commission, would be most likely to be wisely managed and economically administered; and that number should be of one class or kind, as near as practicable.

An objection may be raised against the State or District system for the care of paupers, that it would be expensive and

inconvenient to transfer them from different parts; but we should remember that our State is now extensively traversed by railroads, and will soon be more so, and that the present system was established when it was more expensive and troublesome to travel across a county, than it now is to travel half across the State. Then, too, as the State increases in population, and more of these institutions shall be required and erected in different localities, there will be no serious difficulty from the want of proximity of any part of the State to such an institution.

We deem it very important, and believe it is strongly urged by all who have made the subject of pauperism a study, and by all practical men who have had large experience in the care and management of paupers, that only *permanent* paupers, or such as will be likely to be a public charge for a long time, should be placed in institutions.

Our own laws recognize this principle, in saying that the superintendent of the poor shall commit to the poor-house permanent paupers, but there is a great diversity in the administration of this statute. Some superintendents of the poor try to get all they can into the poor-house, while others, more wisely we think, try to keep out all they can, and, if possible, relieve the wants of the needy at their own homes.

We consider the question, who should be put in, and who kept out of the alms-houses, a very important one. Its correct understanding lies at the foundation of a successful administration and management of pauperism. We say, emphatically, keep as many out of our penal, reformatory, and charitable institutions as it is possible in conformity with the ends of justice and humanity. These institutions are the excretion of a diseased body politic, and abnormal humanity. They exist only as a necessity, arising from the evils of our social organism and the moral depravity of individuals. If we can correct the errors of our laws, the evils of society, and the depravity of man, we shall have no need of them.

Man exists in his most natural and normal condition in the family, hence, when it is possible, we should keep him there. In all the administration of public affairs, the family relation should be kept intact, when consistent with the ends of justice and humanity; and both justice and humanity should be far-reaching in their application to society, and to the persons who come under the power and control of the government. Temporary benefits to the State should be lost sight of, and only that course should be pursued that will accomplish the greatest permanent good to society. "All institutional life is unnatural," and hence its tendency is not in the highest degree purifying and elevating to the individual. If the poor can be relieved at home, or in families, without a great burden to the State, it should always be done, for whatever elevates individuals is better for the mass.

The best system for accomplishing a successful application of out-door relief in our State can best be determined by the wisdom of the Legislature. If the State shall assume the control of all the alms-houses, the present system of county superintendents of the poor, or something equal to it, must still be continued, as each county will probably be required to bear its burden of the support of its own paupers, whether under county or State control, and these officers will be just as necessary under the one system as the other. If temporary or out-door relief be increased, and made more general in its application, perhaps these officers would be as competent to accomplish that result as any others.

Any system that favors out-door relief should be encouraged, and the fact that the system of State or District institutions would have a tendency in that direction, is a very strong circumstance in its favor.

The first admission to an alms-house generally destroys self-respect and ambition. Once there, the inmate soon learns to be a pauper. It is a notorious fact, that very many paupers leave the alms-houses in the spring and roam about the coun-

try during the warm weather, getting their living in various ways, to return, when frosts and cold weather make them uncomfortable, to their home—the poor-house. Others return to their accustomed employments when discharged from the alms-house, but having learned no wisdom from their life of dependence, but having lost their pride and ambition and become depraved by evil associations, they spend their earnings foolishly, knowing that when their means are gone they can return to their home—the poor-house.

A small weekly allowance made to many of those needing aid, with a little encouragement kindly given, would carry them over the difficult place, and be much better for them than consignment to the poor-house, and more economical in the end to the State. Especially is this true of the sick. Gen. Isaac Bell, who is an active and efficient member of the Board of Commissioners of Public Charities and Correction of the city of New York, says: “By all means possible keep your paupers out of the alms-houses. I would rather give *ten dollars* to a needy person *out of*, than to give *one dollar* to a pauper *in the alms-house*.”

This principle governs, we understand, the administration of the pauper system in that city, and no better success that we know of is obtained anywhere.

We may take the institutions of this class in the city of New York, with the population nearly equal to that of Michigan, as an example of what can be done by judicious classification and the treatment of large numbers of each class in separate institutions, and by a well-managed system of out-door relief. On the islands in East River they have their asylums for the blind; the insane, the idiots and inebriates, separate hospitals for small-pox, fever, paralysis, epilepsy, incurables, and for infants, work-house and penitentiary, etc. All these institutions are kept in the most scrupulously neat and orderly manner. All that science, skill, and care can do for the diseased is there done, while justice is meted out in the work-



house to idlers, vagrants, drunkards, and all that class of offenders.

They have also there a House of Refuge for juvenile delinquents, which is a model of excellence in all respects. Their system of out-door relief is efficient and comprehensive. In this department during the last year 17,050 patients have been treated, and 70,653 prescriptions administered, and fuel, food, and other necessities have also been furnished them. And this in the corrupt city!

It would be just as easy for a State to treat its paupers under this system of classification as it is for a city, if it were not for the difficulty of transportation. Steam has nearly annihilated distance, and, as heretofore stated, the country is fast becoming a net-work of railroads, so that the cost and trouble of collecting the different classes together would be overbalanced by the great advantages obtained. We look forward with hope to the time when this great work shall be accomplished. For the present we consider our great need to be one State asylum for our pauper insane, where they shall be humanely cared for and scientifically treated; one institution for the training and education of idiots, where learning to work shall form an important part of such education; one school for the education of pauper, truant, and vagrant children, where learning to be useful, and not paupers and criminals, will be the certain result. When these are established we hope there will soon follow two or three district work-houses, where the idlers, vagrants, drunkards, prostitutes, licentious persons, etc., who become paupers through such courses, may be sentenced for long terms, until they can pay the State for their care and maintenance, and where they can be subjected to reformatory influences, and two or three district hospitals where the aged and infirm, and unfortunate but worthy poor can receive that kindness, care, and medical treatment that the present system cannot give, and to which all such persons are fairly entitled under good and humane

government. These institutions should be under State control, with a well organized system of out-door relief in every ward and township, and the whole system of charitable, reformatory, and penal administration should be under the supervision and control of a board of officers.

---

### CENTRAL SUPERVISION.

Whether the present prison and pauper system be continued, or whether they be changed in accordance with the foregoing recommendations, or otherwise, we deem it a matter of the utmost importance that the administration of these systems be more perfectly supervised than they now are. The local supervision of both alms-houses and prisons has utterly failed to secure a good administration of these institutions, or to protect them from great abuses, or to expose such abuses where they exist. The character of the class of persons usually found in such institutions subjects them both to neglect and abuse. They are for the most part unworthy and uninteresting, and are deemed to have very slender claims upon our sympathy or support beyond that of protecting them from starvation and great cruelty. While most of us get readily interested in individual cases of suffering from poverty, and even of suffering resulting from crime, we very naturally shrink with disgust and dislike both from paupers and criminals as classes, and sometimes we forget that they are our brethren, and are to be pitied and cared for, to be punished only when necessary, and to be saved if possible; and those who have the care of these classes are not usually chosen with reference to their peculiar fitness for the position, but with reference to economical or political considerations, and they very naturally become somewhat indifferent to the welfare of those under their charge, and are apt to perform their duties toward them in a perfunctory manner.

There is great need of a careful, constant, and intelligent supervision by some persons or board possessed of sufficient

authority to make that supervision effectual for good ; a supervision that shall extend to all institutions of the same class in the State, so that the entire system shall be a uniform and harmonious whole.

We have come to this clear and strong conviction, not merely as the result of our own examination, observation, and reflection, but after carefully ascertaining, by personal intercourse, by correspondence, and by extensive reading, the views of the leading men of the country, both practical and theoretical, who have made this subject one of study and experience.

This central supervision, especially of prisons, has received the fullest consideration from the highest authority, and we take the liberty of quoting fully some of the views which have been expressed upon it.

No higher authority can be quoted than the Prison Association of New York. It classes among its active officers some of the very ablest and best men of the State, and its Corresponding Secretary, Rev. Dr. Wines, has gained a world-wide reputation by his intelligent and successful labors in the cause of prison discipline. In their Twenty-fourth Annual Report, in reference to the prison system it is said: "In any comprehensive re-organization of this service in our State, we consider a central authority, having at least general powers of supervision, absolutely essential. At present, the fundamental principle of all government, a responsible but supreme authority, is wanting in relation to our prisons; hundreds of persons, if we include county boards of supervisors, having a direct power in their administration. The single fact affords an ample explanation of the slow progress which has been made in general improvement. The select committee of 1850, on prison discipline, in the British Parliament, took no wiser action than that of adopting a resolution with a view to securing uniformity in prison construction and management, to the effect that it is desirable that the Legislature should intrust increased power to some central authority." Without some such author-

ity, ready at all times for deliberation and action, there can be no consistent and homogeneous system of administration, no well-directed experiments, no careful deductions, no establishment of broad principles of prison discipline, nor any skillfully devised plan for carrying such principles into effect. But if the construction and management of all our prisons were entrusted to a central board or bureau, improvements of every kind could readily be introduced, and that, too, in the safest manner, by first trying the plan proposed on a small scale and under the best circumstances for insuring trustworthy results, and then, if successful, gradually, under the guidance of experience, extending the sphere of its operations. It is material to remark, though the observation would naturally occur to reflecting minds, that a supreme authority, like that here proposed, is quite compatible with local boards acting under its direction.

But with or without local boards, a general board properly constituted and empowered could find little difficulty in managing efficiently and superintending the whole system. We ardently hope to see all the departments of our preventive, reformatory and punitive institutions moulded into one harmonious and effective system, its parts mutually answering to, and sustaining each other; the whole animated by the same spirit, aiming at the same objects, and subject to the same control, yet without the loss of the advantages of voluntary aid and effort when they are attainable.

The excellent results of such a system are attested by experience. A central board of prison managers was created in Canada some eight or ten years ago, and the good effects are seen in every department of the administration. Prison architecture and prison discipline have gained immensely; criminal statistics of the highest value are annually collected and published to the world, and the cost of the county prisons has been reduced to an extent which would hardly be credited. To give a single instance of this reduction, the annual cost of rations for each prisoner in the common jails has been brought

down from \$89 25 to \$32 85, a saving in this item of nearly two-thirds.

The experience in France is equally decisive. In 1856, the state took charge of all the prisons of the country. The result has been the correction of the grossest abuses in every department of the administration, the introduction of excellent and cheap supplies into the prisons, reduction of expenses by at least one-third, and an almost incredible augmentation of the product of prison labor.

The annual product of such labor increased in eight years (so says the Philadelphia Journal of Prison Discipline and Philanthropy) in all the Departments, with the exception of that of Paris, from 14,446 francs to 900,000 francs, an increase of more than 6,000 per cent.

In the twenty-fifth report they re-affirm the same views, and say: "As the principle that crowns all, and is essential to all, it is now commonly felt and acknowledged, that no prison system for a State or country can be perfect, can even be successful to the broadest and most desirable extent, without some central authority that sits at the helm, guiding, controlling, harmonizing, unifying, vitalizing the whole."

The Board of State Charities for Massachusetts for 1868 say: "The most important matter connected with our prisons is to have the whole of them, from lock-up to State Prison, brought under the inspection and supervision of a Central Board, with one Inspector General. By discontinuing the salaries of local inspectors, enough would be saved to pay the salary of a competent officer, who should give his whole time to the work."

They renew the recommendation the following year, and say: "The experience of another year shows still more strongly the necessity of inspection and supervision, and of an efficient Inspector General, and the Board renews its recommendation of last year, that such an office be established."

Some progress has already been made in carrying these views into effect through boards formed in different States, although

Legislatures have been slow in clothing these boards with the requisite power to enable them to accomplish all the good that might be accomplished.

In Massachusetts a Board of State Charities was established in 1863, under an act of the Legislature of that year.

It consists of five persons appointed by the Governor and Council, who receive no compensation except for expenses, and a secretary and agent, who both receive salaries. One of the five members of the board is appointed each year.

The duties of the board are "to investigate and supervise the whole system of the public charitable and correctional institutions of the commonwealth," and to recommend such improvements as they deem necessary. They can remove paupers and lunatics from one institution to another. The agent is to transact the "out-door business" of the board, and to perform various duties with reference to paupers, lunatics, emigrants, etc.

The secretary, besides keeping the records, is to collect statistics and to "prepare a series of interrogatories to the several institutions of charity, reform, and correction, supported wholly or in part by the Commonwealth, or the several counties thereof, with a view to illustrate, in his annual report, the causes and best treatment of pauperism, crime, disease, and insanity. He shall also arrange and publish in his report all desirable information concerning the industrial and material interests of the Commonwealth bearing upon these subjects."

The board have rooms in the State House, hold meetings at least monthly, and are to make annual reports to the Legislature. The salaries of the agent and secretary were at first fixed at two thousand dollars each, but have been increased to three thousand dollars, and these offices have been filled by men of marked ability. The reports of the board are of exceeding value, as illustrating the causes and best treatment of pauperism, crime, disease, and insanity, "and the exposure and reform of existing abuses and defects in the management of charitable and correctional institutions."

Ohio in 1867 established a Board of State Charities, consisting of five persons appointed by the Governor, and who receive no compensation other than actual traveling expenses. Their powers are very similar to those of the Massachusetts board, except that until the present year they have had no salaried officers to aid them. This want, of course, greatly crippled their power for good, but this defect has now been remedied, and the reports already made have thrown great light upon the condition of charitable and penal institutions in that State, and their labors have been most beneficial.

The constitution of New York formed in 1867, but which was not adopted, contained a clause which provided for a Board of Managers of Prisons to be appointed by the Governor, with the consent of the Senate, to hold office for ten years, one to go out every two years. They were to have the charge of State Prisons, and to perform such duties in respect to other prisons as should be provided by law. They were to have no compensation other than expenses, and were to appoint a secretary whose salary was to be fixed by law; and also to appoint the warden, clerk, physician, and chaplain of each State Prison, and to remove the same for cause only, and after an opportunity to be heard. The warden was to appoint and remove at pleasure all other officers. Such a system can be established in New York only by an amendment to the constitution. The Prison Association, in urging the last Legislature to submit such an amendment to the people, give as a reason, that "the article incorporated into the rejected constitution was prepared by an experienced committee after long and earnest deliberation; that it was unanimously approved by the executive committee when submitted to them; that it was not made a party question by the convention that adopted it, but received the hearty support of both parties; that it has the sanction of the present Chief Magistrate, who took an active part in framing it; that it was approved and recommended by the Board of State Prison Inspectors in their last

annual report; that it has the prestige of the votes of a preponderating majority of one of the most enlightened bodies ever assembled in this State; that it promises the best results for prison discipline in case it should become a part of the fundamental law."

The State of Rhode Island, in 1867, provided for the organization of the Board of State Charities and Corrections, consisting of six persons appointed by the Governor, with the advice and consent of the Senate, and of a secretary appointed by the board. The secretary alone receives a compensation. They are to appoint a Superintendent of State Charities and Corrections. The Board "have the entire charge and control of said work-houses, asylums for the incurable insane, house of correction, and alms-houses, and may appoint such assistants in the management thereof as they may deem necessary, and shall fix their compensation; also the compensation of the secretary and superintendent, and may make all rules and regulations for the government of all of said institutions, including all contracts for the labor of said institutions."

They have also other powers, and are required to make a report annually.

The State of Illinois, in the same year, provided for a "Board of State Commissioners of Public Charities," consisting of five persons appointed by the Governor, one going out each year. They are to visit all charitable or correctional institutions, "excepting prisons receiving aid from the State, to examine institutions, the conduct of trustees, the condition of buildings, and to ascertain: 1st. Whether moneys have been economically and judiciously expended. 2d. Whether the objects designed are accomplished. 3d. Whether the laws have been complied with. 4th. Whether all parts of the State are equally benefited, and to report in writing to the Governor, and to make recommendations." They are also to investigate abuses when directed by the Governor, and to examine poor-houses at least once in each year. They are to appoint



a clerk, who is to act as an accountant, but the members of the Board receive no compensation. The Board have appointed as secretary, Rev. F. C. Wines, a gentleman pre-eminently qualified for the position, and who is already making his influence felt for good. He is paid, we understand, a salary of three thousand dollars per annum.

A bill was introduced into the last Legislature of Indiana providing for a "Board of Managers of Prisons," which we are assured was received with great favor, and would, doubtless, have become a law, except for the fact that the session came to a sudden and unexpected termination by the withdrawal of a portion of the members. The bill was evidently drawn with great and intelligent care, and as it possesses some peculiar features that may be suggestive, we give an abstract of some of its provisions:

The Board was to consist of five persons appointed by the Governor, with the advice and consent of the Senate, one to go out every two years, subject to removal by the Governor for malfeasance or misfeasance in office. They were to receive two hundred dollars a year for traveling expenses, and no other compensation. They were to have the charge and superintendence of all State Prisons, appoint and fix the salaries of the warden, clerk, physician, and chaplain, and have the power of removal,—other officers being appointed by the warden, but to be satisfactory to the Board.

They were to appoint a superintendent of prisons, who was to be their secretary and executive officer, and, with the consent of the Governor, fix his salary. They were to conduct all prisons on the principles of reformation and not of vindictive justice, and prescribe such methods of discipline and government as will, as far as possible, reform the characters and preserve the health of the inmates, and secure them fixed habits of industry, morality, and religion.

There were to be no officers who did not sustain a good moral character and abstain from the use of intoxicating liquors and profane language.

Governor Haight, of California, in his annual message, warmly recommends the appointment of a Board of Commissioners to have the supervision of the State Prison, and to appoint the warden, the Board to consist of five in number, one to go out every two years.

There are, doubtless, other States that have some like system of central supervision, but we are not familiar with them.

It is very apparent that the tendency, both of opinion and legislation, is in the direction of some such central authority. Of its need in this State we entertain no doubt, and we therefore recommend that a "Board of State Charities and Corrections" be formed, to consist of five persons to be appointed by the Governor, with the advice and consent of the Senate, to hold office for the term of ten years, but so arranged that the term of one of said board shall expire every two years, and that they be authorized to appoint a secretary, who shall be the executive officer of the Board. We recommend farther, that this Board have the charge and supervision of all the prisons and correctional institutions, alms-houses, and work-houses under the control of the State, and that it be made their duty to examine the condition of all jails, prisons, correctional institutions, almshouses, and work-houses in the State, and report thereon, and that they be further charged with the duty of collecting facts and statistics, as well as the opinions of men eminent for their acquaintance with social science, with a view to illustrate in their annual report the causes and the best treatment of crime, pauperism, disease, imbecility, and insanity. We recommend that they receive no compensation other than their actual expenses incurred in the discharge of the duties of their office, but that they be authorized, with the consent of the Governor, to fix the salary of their secretary, so that they may secure the services of some one especially competent to fill the duties of the office. This officer would be the executive officer of the board in the general supervision of the institutions under their charge, and upon him would devolve the duty of collecting

facts and preparing statistics on the subjects of pauperism and crime in our own State and elsewhere, so far as they would throw any light upon the subject of what legislation or action is required here. He would need to be familiar, and to keep himself constantly familiar, with the improvements and experiments, whether legislative or practical, going on in other States and countries in the treatment of pauperism and crime and the actual workings thereof, so that we can gain wisdom from the experience of others, rather than from rash and expensive experiments of our own.

It is obvious to all thoughtful men, that it is not easy to find a man just adapted to such a position, and that any man who could fill it would command a liberal remuneration for his time in other departments of business, and the power of the Board to accomplish their own work well would measurably depend upon their being at liberty to employ and retain for their only officer, a man fully qualified for the place, in whose capacity and executive ability they could implicitly confide.

#### APPOINTMENT OF OFFICERS.

Should any such system as we have recommended be adopted by the Legislature, or any material modifications of our present system be made, a question of very great importance will have to be determined, viz., where shall be placed the power of appointing the superintendents, wardens, or other chief officers of these institutions for the treatment of pauperism and crime?

The success of any system of treating these great subjects must depend very largely on the ability, skill, and fidelity with which it is carried out. A good system will fail in incompetent hands, and a poor system will measurably succeed in thoroughly competent ones. The peculiar qualities required to fill the position of chief officer of such institutions are far more rare than those required to fill many higher and more responsible ones, and this arises from the combination of various qualities essential to success in such a position.

Such an officer should be familiar with the various methods, good, bad, and indifferent, of managing such institutions, and of the actual workings of the various methods and their practical results, and have the sound judgment to select the best, and if possible, to improve upon them. He should be an accurate, skillful, energetic business man, with a large executive capacity, that will enable him to carry out his own plans successfully through the agency of others. He should unite firmness of purpose with kindness of heart, and possess the rare power of knowing how to deal wisely with the perverted moral and intellectual forces, and lastly, he should heartily love the work which he undertakes, and devote himself in the spirit of the great Master to the highest welfare of those under his charge, and be astute, ingenious, and assiduous in devising modes to educate and save them.

Whoever has the appointing power should be so interested in the workings of these institutions, so familiar with their wants, as to know just what qualities are demanded in a chief officer, and should be left at liberty, uncontrolled and uninfluenced by party, political, or personal considerations, to select the right man wherever he may be found, and to retain him as long as the interest he had in charge demanded it.

It is the uniform testimony of all men connected with, or interested in the management of prisons in other States, that one of the greatest evils connected with such management is the influence of party politics. In the State of New York the Inspectors of State Prisons are elected by the people, and are consequently politicians; and the wardens of the State Prisons are appointed and dismissed upon the same principle that other offices in the gift of the prevailing party for the time being are filled and vacated. It is difficult to exaggerate the evils that have resulted from this course. These evils have been set forth very fully and powerfully in reports of the Prison Association, and good men of all parties are recommending a change. In many other States, the evils if not equally great are still very manifest.

Wisconsin recently lost a most capable and valuable officer because he could not refute the only charge brought against him, that he had held the office six years, and he was forced to give way to a new man in obedience to the doctrine of "rotation in office."

In this State the evils resulting from this cause have not as yet been seriously felt. The paltry salary paid to the Agent of our State Prison has not produced a very lively competition for the place. But that such evils will creep in, as our system enlarges to meet the growing necessities of our State, there can be no doubt. No Governor, whatever might be his personal views, would feel himself at liberty to appoint a person of opposing politics to such an office, or even to retain one therein. The doctrine that "to the victors belong the spoils," is practically adopted by all the political parties, and no one filling a political office having an appointing power feels at liberty to disregard it. He is, in that respect, the representative of the party electing him, and must carry out their wishes. Not only must the appointee be of the same political faith, but, in general, appointments must be made in consideration either of past or future services to the party in power. This would, as a rule, exclude the appointing power, not only from going outside of the dominant political party, and of the State, but from going outside of active politicians to select a man. This may be very well so far as officers wielding a political power are concerned, but the same rule ought not to be applied to such offices as those which we are considering. They are not offices of political trust or power, but they are offices requiring peculiar and rare qualities to fill them successfully. Important pecuniary, sanitary, moral, and social results depend upon the manner in which they are administered, and whoever has the appointing power should have all parties and all States from which to make the selection. Many of the most successful prison officers have been invited to come from other States to those desiring their services. Gen. Pillsbury, whose reputation is national, was drawn to New York from Connec-

ticut, Mr. Brockway, of the Detroit House of Correction, was drawn from New York, Mr. Cordier was drawn from Wisconsin to the charge of the Western Penitentiary of Pennsylvania, at Pittsburg.

These are but a few of many instances where one State has, to its great advantage, availed itself of the experience and ability found in another.

The Central Board already spoken of will doubtless be selected without reference to party politics. The place is one of duties only, and not of honor or profit, and there is no obligation to fill *such* places with political friends merely. This Board would have charge of the institutions referred to, would know their distinctive wants, and have an especial interest in the appointment of men as chief officers who are adapted to the position. They would be in a position to act with entire independence in the selection of such officers, and so to exercise their best judgment.

We therefore respectfully yet earnestly recommend that the power of appointing the chief officers of the several State institutions for the treatment of paupers and criminals, be placed in such Board; such power of appointment to extend to the superintendent or warden, the clerk, the physician, and the chaplain where there is one. The subordinate officers we think, should be appointed by the chief officer of each institution and be under his control.

For much the same reasons, we recommend that the Board, together with the Governor, fix the salaries of such officers. With most of these institutions, whether they are to be supported at a great expense to the State or at a slight expense, or whether some of them shall be self-supporting, will depend very largely upon the business skill with which they are conducted. Business skill, equal to conducting institutions of such magnitude economically and successfully, is in demand and has a high market value, and as a rule cannot be obtained for a small salary; and true economy unquestionably demands that a skill and capacity equal to the duties be employed,

rather than inferior skill and capacity although at a much cheaper rate. Had the Detroit House of Correction been conducted by any man who could have been obtained at a small salary, its surplus earnings would not, we apprehend, as now, exceed an average of over \$13,500 per annum.

We think the Board should be at liberty to do just as men doing a large business of their own would do,—go into open market and select the best men that they can find for the several places, at such salaries as they find themselves compelled to pay, in order to obtain thoroughly competent men.

We are aware that there is a natural reluctance to pay subordinate officers salaries larger than those received by our highest State officers and our Judges; and it will be said that these salaries secure competent men for Superintendents of State Prisons, etc.

We apprehend, however, that there is no analogy to be drawn between the different offices. Our State and judicial offices are places of high honor, and political and judicial trust and power. They indicate, if they do not demonstrate, that the incumbents hold a high place in the confidence and affections of the people, and they are often the stepping-stones to still higher honors. History has shown, that in all ages offices of this character have been sought after by able and ambitious men without respect to the salary. And in this State these offices are sought or accepted not *for* the small salaries attached to them, but *despite* the smallness of the salaries. Indeed, the salaries paid our State officers are less than those received by thousands of clerks, book-keepers, salesmen, and agents of all sorts, through the State; while the income of many a fifth-rate lawyer far exceeds the salaries of our Judges.

The offices in question are not offices of honor, or political trust or power. The duties belonging to them are most laborious, and are anything but inviting in their character. Their performance, as we have seen, requires rare and peculiar capacity. The capacity that would enable one to perform these

duties, could not fail to command liberal compensation in other and more inviting departments of labor, and as a rule, liberal compensation alone can secure it for the benefit of the State. The Board could safely be trusted to pay no larger salaries than the interests of the State demand.

Another reason why this power of appointment should rest with the Board is, that it would give some assurance that the appointments would be permanent in their character, unless a cause for removal exists. Where an appointment is for a short term, and a re-appointment, however unexceptionable the conduct of the officer, is uncertain, and depends upon whether there is, or is not, a change in the administration of the State government, personal or political, or upon the doctrine of "rotation in office," it will be difficult, if not impossible, to secure the services of thoroughly competent men for such positions.

Such men can do better than to take a place, the permanency of which is dependent upon such contingencies. Then, too, all experience demonstrates, that the proper administration of such institutions depends very largely upon the stability of the management. Every change in the management introduces, to some extent, new theories, new plans and practices, and often rash experiments; while frequent changes destroy all system, and bring confusion, if not utter chaos. The most successful institutions are marked by the stability of their management. Mr. Jones, of the New York House of Refuge (the most successful of all institutions of that class), has been there nearly twenty years. Gen. Pillsbury, of the Albany Penitentiary, has been at its head from its opening—a quarter of a century since. Mr. Haynes, of Massachusetts State Prison, has been at its head, as warden, for nearly thirteen years, while fifteen of the subordinate officers have been there, upon an average, nearly sixteen years. In New York, evils of a most serious character have sprung up in the State Prisons from the frequent changes of wardens and other officers.



## CONCLUSION.

We are conscious that the recommendations made by us in the foregoing report involve some radical changes in the administration of our system for the care and custody of our paupers and criminals. We have, however, endeavored to avoid recommendations which involve rash and untried experiments, and to confine ourselves to those which experience has shown to be practicable, and which are demanded by the highest interests of society and the State. If they are adopted they will doubtless involve a very considerable present expense, but we are firmly convinced that the expenditure will be in the interests of the strictest economy. Every wise, effective measure for the prevention and the cure of pauperism and crime will save far more than its cost. Nor is it expected that these changes if approved can be all made at once. This must be the work of time, but the sooner a broad, wise system is adopted the better for every interest concerned. It seems to us that the first step in the direction of reform is the establishment of a Central Board, which shall have the supervision of all State institutions of a penal character, or for the relief of paupers, and ample power to inspect all alms-houses, jails, and correctional institutions, whether supported and controlled by town, city, or county. It should be their duty to report to the Legislature the condition of all such institutions, and also to examine and report upon the best mode of preventing and dealing with pauperism and crime. Such a Board properly constituted, with an efficient secretary or executive officer, after giving the subject a careful study, would be enabled intelligently to recommend just what further steps are necessary to be taken, and when and how far the other recommendations of this Commission should be adopted; and could most efficiently aid in carrying into effect any measures which the Legislature should authorize.

The next most urgent need is an immediate provision for

the insane and idiotic poor and the children of poverty and want found in the alms-house or elsewhere, and the removal of all these classes from the county alms-houses.

The classification of the other paupers and the establishment of hospitals for one class and work-houses for another is not as urgent, but its early accomplishment is demanded by the gravest considerations. And especially is this the case as to many classes of the sick poor, who require competent nursing and good medical or surgical treatment. These classes, we suggest, could best be provided for in a hospital established near the Medical Department of the State University. Nowhere else could they receive skillful treatment so economically, while the establishment of a hospital at that point would greatly increase the facilities for medical and surgical education.

As the State Prison needs thorough repairs and improvements which require a large expenditure, it seems most desirable that, before this is done, the Legislature should adopt a permanent prison system for the State, so that these expenditures shall be made with reference to such system, and the position which the present State Prison shall hold therein.

In the meantime all persons convicted of such offenses as authorize their confinement in county jails, could be sent to the Detroit House of Correction, and the jails only be used as places of detention, and their very name abolished. The system of indeterminate confinement until the prisoner had earned his conditional or absolute discharge by furnishing evidence of his fitness to again go into society, could also be tried under the most favorable circumstances in the Detroit House of Correction.

These recommendations are made in the discharge of a duty imposed upon us by the act of the Legislature, under which we have received our appointment from your Excellency, and as the result of a laborious examination, careful study, and full consideration; and as such we respectfully submit them and

the report generally, to your Excellency, and through you to the Legislature.

We desire to express our obligations to you personally for the deep interest which you have taken in our duties, and the efficient aid which you have rendered us in the performance of those duties.

S. S. CUTTER,  
C. I. WALKER,  
F. H. RANKIN,  
*Commissioners.*

---

---

# APPENDIX.

---

---



# APPENDIX.

## SCHEDULE A.

*Statement showing the condition of poor-house buildings, and values of county farms, in the several counties of the State.*

*Alcona*—No report.

*Allegan*—Wood building, in very fair condition ; men lodge in an old dilapidated building outside, with an addition made of boards, like a barn, for the insane ; farm, 160 acres ; value, \$10,000.

*Alpena*—No poor-house.

*Antrim*—No poor-house.

*Barry*—House in good condition, barn old ; farm, 120 acres : value, about \$6,000.

*Bay*—House built of wood and needs repairs ; farm, 120 acres ; value, \$5,000.

*Benzie*—No poor-house.

*Berrien*—New brick house, two stories and basement, with 28 rooms and a separate department for the insane ; also commodious barns and out-houses ; cost 15,000, which, with the farm of 160 acres, is valued at \$25,000.

*Branch*—Two story brick building with attic and cellar : large and roomy, in good condition, well managed ; also two large barns and one horse-barn ; farm, 140 acres ; value, \$17,000.

*Calhoun*—Large wooden building, part of it 17 years old, remainder only 10 years ; good barn, farm, 145 acres, value \$14,500. Insane persons in a wretched condition, for want of proper places of custody, and experience in the care of them.

*Cass*—Brick house, with frame addition; rooms small; a new addition of brick is being built; kept in good order—neat and cleanly; farm, 280 acres; value, \$25,000.

*Charlevoix*—No poor-house.

*Cheboygan*—No poor-house.

*Chippewa*—No report.

*Clinton*—Frame building, two stories, and also a small building, separate, in good condition; also, a log house; farm, 77 acres; value, \$6,000.

*Delta*—No report.

*Eaton*—Brick house, in which are cells for insane persons: also a frame building; farm, 160 acres; value, \$6,000.

*Emmet*—No poor-house.

*Genesee*—Large brick building, two and one-half stories, in good preservation, but needing some repairs; farm, 112½ acres: value, \$8,000.

*Grand Traverse*—No poor-house.

*Gratiot*—Small house, in good, comfortable condition; farm, 80 acres; value, \$3,500.

*Hillsdale*—Two frame buildings, one of them large, the other small; both are neat and comfortable; the farm and grounds are homelike and pleasant; farm, 200 acres; value, \$12,000.

*Houghton*—No report.

*Huron*—No poor-house.

*Ingham*—Building good; nearly new; farm 200 acres; value, \$8,000.

*Ionia*—Poor log house, good frame barn; farm, 120 acres: value, \$6,000.

*Iosco*—No poor-house.

*Isabella*—Log house with frame addition; good barn; farm, 160 acres; value, \$4,000.

*Jackson*—Large old building, out of repair and inconvenient: distinction between town and county poor still kept up; farm 160 acres; value, \$9,000.

*Kalamazoo*—Old wood building, in a dilapidated condition, not very neat; farm, 170 acres; value, \$17,000.

*Kent*—Old wood building in a bad condition; rooms small; an out building used for idiots and diseased persons, cold, filthy, and uncomfortable; farm, 104 acres; value, \$7,000.

*Keweenaw*—No report.

*Lapeer*—Frame house; condition not reported; farm, 80 acres; value, \$6,500.

*Leelanaw*—No poor-house.

*Lenawee*—New brick house, with two wings; three stories; in good condition; separate department for the insane; farm, 147 acres; value, \$35,000.

*Livingston*—No poor-house or farm; the keeping of the poor is let to the lowest bidder. A committee of the board of supervisors say that "the poor are kept in one room, 18x22 feet; males and females occupying it as sleeping, sitting, and dining room; in a frame house boarded and battened, without plaster."

*Mackinac*—No report.

*Macomb*—Brick house, three stories, with basement; also a separate hospital building of brick; also two frame buildings, one for insane and idiots, the other for washing and bathing; good barn and other out-buildings; farm, 134 acres; value, \$18,000.

*Manistee*—No report.

*Manitou*—No report.

*Marquette*—No report.

*Mason*—No report.

*Mecosta*—Small frame house and barn; farm, 80 acres; value, \$3,000.

*Menominee*—No report.

*Midland*—House needs repairs; barn in poor condition; farm, 120 acres; value, \$3,000.

*Monroe*—Large building, very inconvenient, and in a dilapidated condition; farm, 154 acres; value, \$13,000.



*Montcalm*—A good, substantial frame building, large enough for present use, and a good, new, large barn ; farm, 120 acres : value, \$4,000.

*Muskegon*—Frame house, boarded with 2-inch plank and sided, but not plastered ; farm, 80 acres ; value, \$4,000.

*Newaygo*—No poor-house.

*Oakland*—Large brick house, three stories, with comfortable rooms, except the cells for the insane, no provision having been made for warming them in cold weather ; farm, 137 acres : value, about \$20,000.

*Oceana*—No poor-house.

*Ontonagon*—Frame dwelling-house and barn, not used for the poor, who are kept cheaper elsewhere : farm, 140 acres : value, \$2,000.

*Osceola*—No report.

*Ottawa*—Wood building, two stories, with a wing and an addition for wood-house and cells, in good repair and kept clean ; farm, 200 acres ; value, \$14,000.

*Saginaw*—Wood building, large and roomy, in good condition ; three insane persons confined in miserable cells. The overseer thinks "they might be benefited or restored under proper treatment, which the county does not afford." Farm. 80 acres ; value, \$7,700.

*Sanilac*—New brick building with stone basement ; sexes kept in separate rooms ; farm, 120 acres ; value without buildings, \$4,000 ; value of buildings not stated.

*Shiawassee*—Frame building, two stories with basement, 40 by 70 feet ; rooms small ; farm, 80 acres ; value, \$5,000.

*St. Clair*—Has no poor-house ; the poor are kept by the week, the county providing furniture, bedding, clothing, etc. : farm, about 200 acres ; value, \$7,000.

*St. Joseph*—Frame building ; large and in fair condition : well managed ; farm, 210 acres ; value, \$8,400.

*Tuscola*—No report.

*Van Buren*.—Large house, in good condition, and satisfactorily conducted ; farm, 170 acres ; value, \$10,200.

*Washtenaw*—Old wooden building, with a new brick apartment for the insane ; farm, 120 acres ; value, \$9,600.

*Wayne*—Extensive brick buildings, with a separate department for the insane, with cells, damp, in an unwarmed basement, and no ventilation ; poor-house not very well cared for ; very little classification of inmates ; farm, 280 acres ; value, \$47,600.

*Wexford*—No poor-house.

Total value of farms, \$407,000.

In one instance, the value of the buildings is omitted, and from some counties there is no report. Probably the total value of investments in the State, including stock, agricultural implements, furniture, and household goods, will exceed \$600,000.

A few of the poor-houses are well ventilated, but the greater portion of them have no means of ventilation, except by the doors and windows. Only a very few of them have any bathing facilities, and in but a few of them is there any proper classification of the inmates, and no effort made for their moral or mental improvement. The condition of the poor in some of them is wretched and miserable, particularly that unfortunate class who are insane, some of them being kept in uncomfortable rooms, without fire in the coldest weather, in a very filthy condition, or confined in miserable cells, without ventilation, and with scarcely any of the comforts of life ; a disgrace to a civilized and Christian community.

## SCHEDULE B.

*Table showing the Cost of Support of the Poor, in the several Counties of the State, over and above the Products of County Farms, for the year 1869.*

COUNTIES.	Poor House.	Out door Relief.	Total.
Alcona (no report).....			
Allegan.....	\$1,588 00	\$8,710 00	\$5,248 00
Alpena.....		1,222 16	1,222 16
Antrim.....		400 00	400 00
Barry.....	3,000 00	1,465 28	4,465 28
Bay.....	1,759 95	2,384 29	4,144 24
Benzie (no poor to provide for).....			
Berrien.....	2,500 00	5,500 00	8,000 00
Branch.....	1,170 25	1,203 00	2,373 25
Calhoun.....	2,910 00	4,000 00	6,910 00
Cass.....	1,199 61	1,915 42	3,115 03
Charlevoix (no poor to prov. for).....			
Cheboygan.....		250 00	250 00
Chippewa.....		578 66	578 66
Clinton.....	1,793 25	1,028 88	2,822 13
Delta (not returned).....			
Emmet (no poor to provide for).....			
Eaton.....	3,029 70	500 00	3,529 70
Genesee.....	4,175 70	5,586 40	9,762 10
Grand Traverse.....		1,866 71	1,866 71
Gratiot.....	1,500 00	71 50	1,571 50
Hillsdale.....	1,000 00	1,500 00	2,500 00
Houghton.....		12,283 58	12,283 58
Huron.....		243 07	243 07
Ingham.....	5,554 46	1,573 19	7,127 65
Ionia.....	3,060 24		3,060 24
Iosco.....		1,400 00	1,400 00
Isabella.....	500 00	600 00	1,100 00
Jackson.....	6,000 00	700 00	6,700 00
Kalamazoo.....	1,635 00	3,078 00	4,713 00
Kent.....	3,658 00	1,342 00	5,000 00
Keweenaw.....		5,759 00	5,759 00
Lapeer.....	3,000 00	3,500 00	6,500 00
Leelanaw.....		884 00	884 00
Lenawee.....	2,833 61	5,983 74	8,817 35
Livingston.....	575 75	582 72	1,158 47
Macomb.....	4,483 80	2,967 84	7,451 64
Mackinac (no report).....			
Manistee.....		5,813 84	5,813 84
Manitou (no report).....			
Marquette.....		6,201 06	6,201 06
Mason.....		1,599 64	1,599 64
Mecosta.....	520 00	2,126 04	2,646 04
Menominee.....		757 01	757 01

*SCHEDULE B.—Continued.*

COUNTIES.	Poor House.	Out door Relief.	Total.
Midland.....	\$1,500 00	\$1,142 30	\$2,642 30
Monroe.....	3,068 00	1,880 40	4,948 40
Montcalm.....	3,989 92	977 22	4,967 14
Muskegon.....	5,417 44	-----	5,417 44
Newaygo.....	-----	1,619 13	1,619 13
Oakland.....	4,800 00	5,000 00	9,800 00
Oceana.....	-----	1,967 79	1,967 79
Ontonagon.....	-----	4,435 95	4,435 95
Ottawa.....	2,571 00	970 00	3,541 00
Saginaw.....	4,585 84	4,320 75	8,906 59
Sanilac.....	1,000 00	1,759 98	2,759 98
Shiawassee.....	4,459 00	-----	4,459 00
St. Clair.....	-----	13,687 67	13,687 67
St. Joseph.....	3,714 84	1,226 16	4,940 50
Tuscola.....	-----	1,123 62	1,123 62
Van Buren.....	1,126 00	2,625 00	3,751 00
Washtenaw.....	6,178 10	6,130 69	12,308 79
Wayne.....	18,270 63	9,000 00	27,270 63
Wexford.....	-----	169 00	169 00
Total.....	\$117,515 59	\$148,611 69	\$266,127 28

In the above schedule, the statement of expenses for the support of the poor, in the counties of Chippewa, Houghton, Huron, Keweenaw, Marquette, Mason, Menominee, St. Clair, and Tuscola, are taken from the reports of the Superintendents of the Poor to the Secretary of State, for the year 1869; the Commissioners not having received statements from those counties of such expenses, and not being able to distinguish what proportion of such expense was for support of paupers in the poor-house, or for out-door relief, the several amounts are placed in the second column. We are aware that the foregoing schedule shows some discrepancies, when compared with the annual reports made to the Secretary of State by the County Superintendents, for which we are unable to account, except on the supposition that the statements made to us do not make the year close at the same time, some of them having been made several months since, while others are of a more recent date.

We have before us two statements of the expenses in Wayne county, one made January 12, 1870, and one August 22, 1870, which differ from each other, and neither of them agree with the amount reported to the Secretary of State. We mention this as one instance by way of illustration, and with a view of recommending that a new form for these reports be adopted, containing more full and complete returns from the County Superintendents of the Poor, and that they be required by law to make such returns on or before a certain time, and that a penalty be incurred for neglect to comply with such requirement.

We herewith submit for consideration in Schedule "F," the items to be embraced in such report, and the Secretary of State should be directed to make the blanks in proper form, and distribute the same to the several counties.

## SCHEDULE C.

Table showing the number of Insane, Idiots, Blind, and Mute in the several Poor-Houses.

COUNTIES.	Insane.	Idiots.	Blind.	Mute.	REMARKS.
Allegan	2		1	1	
Alpena					
Antrim					
Barry	1				
Bay					
Benzie					
Berrien	8	3	2	1	
Branch	2	1			One returned from Insane
Calhoun	7	3	2	3	[Asylum as incurable.
Cass	1	3			
Charlevoix					
Cheboygan					
Clinton	1		2		
Emmet					
Eaton	2	4	1		
Genesee	4	1			2 kept in private fam. and [1 at Detroit Asylum.
"	3				
Grand Traverse					
Gratiot	1	1			
Hillsdale	6				
Houghton					
Huron					
Ingham	1	3	2		
Ionia			1	1	
Iosco					
Isabella	1				
Jackson	7	2	2		
Kalamazoo					
Kent	21	8			
Keweenaw					
Lapeer	7	1	3	1	
Leelanaw					
Lenawee	15	3	1	1	
Livingston	1	1		1	
Macomb	9	5	3		
Manistee					
Marquette					
Mason					
Mecosta					
Midland					
Monroe	5	8	1	1	
Montcalm		1			
Muskegon	1	1	1	1	
Newaygo					
Oakland					Number not stated.
Oceana					

*SCHEDULE C.—Continued.*

COUNTIES.	Insane.	Idiota.	Blind.	Mute.	REMARKS.
Ontonagon .....					
Ottawa .....	4	6			
Saginaw .....	4				
Sanilac .....	6				
Shiawassee .....	4				
St. Clair .....	6	2		1	
St. Joseph .....	4	3	4	1	
Tuscola .....					
Van Buren .....		2			
Washtenaw .....	19		1	2	
Wayne .....	67		3		
Wexford .....					
Total .....	215	62	30	15	

## SCHEDULE D.

*Table showing the largest number of inmates in the several County Poor Houses at one time during the year 1869; also the number under 16 years of age.*

COUNTIES.	Highest No. at one time.	No. under 16 years.	REMARKS.
Allegan.....	19	2	
Alpena.....			No Poor House.
Antrim.....			No Poor House.
Barry.....	19		
Bay.....	20	5	
Benzie.....			No Poor House.
Berrien.....	34	3	
Branch.....	25	4	
Calhoun.....	36	12	
Cass.....	35	6	
Charlevoix.....			No Poor House.
Cheboygan.....			No Poor House.
Clinton.....	32	6	
Eaton.....	25	1	
Emmet.....			No Poor House.
Genesee.....	42	10	
Grand Traverse.....			No Poor House.
Gratiot.....	9	3	
Hillsdale.....	43	4	
Houghton.....			No Report.
Huron.....			No Poor House.
Ingham.....	29	16	
Ionia.....	27	6	
Iosco.....			No Poor House.
Isabella.....	11		
Jackson.....	37	4	
Kalamazoo.....	47	10	
Kent.....	41	9	
Keweenaw.....			No Report.
Lapeer.....	23	4	
Leelanaw.....			No Poor House.
Lenawee.....	60	17	
Livingston.....	14		
Macomb.....	54	10	
Manistee.....			No Report.
Marquette.....			No Report.
Mason.....			No Report.
Mecosta.....	8	1	
Midland.....	12	3	
Monroe.....	49	8	
Montcalm.....	6	1	
Muskegon.....	19	2	



*SCHEDULE D.—Continued.*

COUNTIES.	Highest No. at one time.	No. under 16 years.	REMARKS.
Newaygo.....			No Poor House.
Oakland.....	49	5	
Oceana.....			No Poor House.
Ontonagon.....			No poor kept in Poor H'se.
Ottawa.....	20	9	
Saginaw.....	33	4	
Sanilac.....	10	1	
Shiawassee.....	24		No rec'd k'pt th'se un'dr 16
St. Clair.....	34	3	
St. Joseph.....	44	6	
Tuscola.....			No Report.
Van Buren.....	20	1	
Washtenaw.....	103	6	
Wayne.....	370	30	
Wexford.....			No Poor House.
Total.....	1478	212	

## SCHEDULE E.

*Statement showing the cost to Counties for maintenance of Indigent and Pauper Patients, at Michigan Asylum for the Insane, for 12 months ending 31st of July, 1870.*

COUNTIES.	No. of Weeks.	Board.	Clothing, Exp. Home, Und'tak'r	Damages.	Postage.	Total.	Av. per Week.
Allegan .....	509 2	\$1,782 50	\$204 26	\$6 10	\$1 02	\$1,998 88	\$3 91
Alpena .....	29 5	104 00	28 81	-----	83	182 64	4 46
Barry .....	109 4	888 50	104 09	40	45	498 44	4 46
Bay .....	92	322 00	38 43	-----	12	360 55	3 92
Berrien .....	389 1	1,362 00	186 88	5 75	87	1,555 45	3 99
Branch .....	600 4	2,102 00	207 74	11 80	1 82	2,323 86	3 87
Calhoun .....	488 6	1,586 00	169 47	10 88	92	1,717 27	3 91
Cass .....	276 2	967 00	60 19	78	57	1,028 49	3 72
Clinton .....	284 2	820 00	124 95	2 20	87	948 02	4 05
Delta .....	51 3	150 00	32 55	-----	09	212 64	4 16
Eaton .....	66 5	233 50	29 96	51	98	264 90	3 97
Emmet .....	52 1	139 50	2 80	-----	12	185 42	3 56
Genesee .....	386 3	1,352 50	197 48	2 40	99	1,553 87	4 02
Hillsdale .....	276 3	967 50	182 32	5 18	48	1,105 48	4 00
Houghton .....	207 5	727 00	119 02	5 88	21	851 11	4 10
Huron .....	52 1	139 50	9 12	-----	12	191 74	3 68
Ingham .....	181 6	636 50	59 81	90	24	697 45	3 83
Ionia .....	184 5	646 50	95 52	1 03	60	743 65	4 03
Iosco .....	13 6	66 00	19 15	13	-----	85 28	4 52
Jackson .....	435 5	1,525 00	169 64	6 90	1 08	1,702 02	3 91
Kalamazoo .....	914	3,199 00	412 32	4 35	98	3,616 60	3 96
Kent .....	398 3	1,394 50	222 46	10 21	1 35	1,628 52	4 09
Keweenaw .....	104 2	365 00	5 54	-----	09	370 63	3 56
Lapeer .....	244 4	856 00	59 91	3 63	73	950 32	3 89
Leelanaw .....	52 1	139 50	19 45	-----	27	209 22	3 88
Lenawee .....	310 4	1,067 00	209 08	6 69	1 59	1,304 36	4 20
Livingston .....	119 3	419 00	15 65	1 16	09	434 90	3 64

REPORT ON PENAL AND  
SCHEDULE E.—Continued.

COUNTIES.	No. of Weeks.	Board.	Clothing, Exp. Home, Und'tak'r	Damages.	Postage.	Total.	Av. per Week.
Macomb.....	271 2	\$949 50	\$108 87	\$4 18	\$0 67	\$1,062 72	\$3 92
Marquette.....	56 8	197 50	22 80	20	-----	220 50	3 91
Mason.....	102 5	859 50	69 28	5 60	91	434 59	4 25
Mecosta.....	48 2	100 00	26 91	3 61	06	199 58	4 14
Monroe.....	404 1	1,414 50	128 62	1 80	88	1,545 25	3 82
Montcalm.....	71 6	251 50	58 26	2 80	21	312 27	4 34
Muskegon.....	422 6	1,480 00	218 80	4 70	75	1,696 75	4 01
Newaygo.....	18 2	64 00	1 50	-----	24	65 74	3 60
Oakland.....	597 6	2,092 50	241 90	12 16	1 82	2,347 88	3 92
Oceana.....	26 6	94 00	4 91	-----	12	99 08	3 60
Ontonagon.....	52 1	182 50	29 15	-----	09	211 74	4 06
Ottawa.....	308	1,000 50	128 26	8 91	1 85	1,139 12	3 95
Saginaw.....	358 4	1,287 50	226 81	7 68	1 28	1,473 72	4 16
Sanilac.....	104 2	365 00	24 39	2 80	09	392 18	3 76
Shiawassee.....	158 4	555 00	56 91	2 50	90	615 21	3 80
St. Clair.....	876 4	1,318 00	166 81	19 10	57	1,504 48	4 00
St. Joseph.....	312 5	1,094 50	170 62	7 88	1 20	1,273 70	4 08
Tuscola.....	61 8	215 00	18 80	2 80	30	231 90	3 73
Van Buren.....	210 2	736 00	115 62	12 96	27	864 85	4 11
Washtenaw.....	326 6	1,144 00	282 88	10 85	1 85	1,339 08	4 25
Wayne.....	766 1	2,681 50	421 60	3 88	4 15	3,110 63	4 06
Total.....	11,768 3	\$41,242 00	\$5,427 20	\$198 59	\$22 80	\$46,900 68	\$3 90

## SCHEDULE F.

*Statement of the different items which it is desirable should be embraced in the annual report of Superintendents of the Poor, to the Secretary of State, to be made on the first day of November in each year, or at such other time as shall be deemed best.*

*1st*—Whole number of Paupers in Poor-House during the year.

*2d*—Average number during the year.

*3d*—Number under 16 years of age.

*4th*—Number of Insane.

*5th*—Number of Idiots.

*6th*—Number of Blind.

*7th*—Number of Mutes.

*8th*—Cost of maintenance in Poor-House.

*9th*—Salary of Keeper of Poor-House.

*10th*—Amount paid for Medical Attendance.

*11th*—Amount earned by labor of Paupers.

*12th*—Amount paid for transportation of Poor.

*13th*—Amount paid for repairs of buildings, stock, tools, etc., including all items which are not any part of the actual expenses of maintaining the Poor.

*14th*—Amount paid to Superintendents of Poor.

*15th*—Amount paid to Supervisors and Justices.

*16th*—Number of persons who have received temporary support or outdoor relief during the year.

*17th*—Amount paid for temporary support or outdoor relief during the year.

*18th*—Value of county farms, including buildings, stock, tools, furniture, and fixtures.

*19th*—Nationality or birthplace of paupers.

*Remarks.*—Under this head should be given a general description of the condition of the farm-house and other build-

ings; the manner in which paupers are treated; how they are fed and clothed; in what manner sick persons are cared for; how the insane and idiots are kept, and what are their treatment and accommodations; how the pauper children are educated; facilities for bathing; mode of ventilation; in short, all the information necessary to give the public a full and complete account of the condition of the poor throughout the entire State.

Were such a full and accurate report required to be made every year, we are of opinion that there would be a very great improvement made in the care and comfort of this unfortunate class of our citizens.

#### SCHEDULE G.

*Statement showing the condition of the County Jails, highest number of Prisoners at one time, etc.; also, estimated value of buildings.*

*Alcona*—No statement.

*Allegan*—Brick building, 40x40 feet, two stories, used for residence of sheriff, and jail; rooms neat; four cells 8x12 feet; no provision for separation of sexes, except when confined in cells; no bathing facilities; no secular or religious instruction given; no employment furnished; no reading matter; prisoners allowed free communication with each other; privy in bad condition; highest number of inmates at one time, 13; estimated value, \$10,000.

*Alpena*—Frame building, two stories, used as dwelling and jail; eight cells, five of them 5x8 feet; three of them 15 feet square; sexes kept separate; no bathing facilities; no instruction; Bibles furnished; no employment; prisoners allowed free communication with each other; highest number of inmates at one time, 8; estimated value, \$5,000.

*Antrim*—Frame building, occupied for court-house, dwelling and jail; three cells, eight feet square; no bathing facilities; no instruction; sexes separated by cells only; no employ-

ment; prisoners *not* allowed free communication with each other; highest number of inmates, 1; estimated value, \$7,000.

*Barry*—Brick building, two stories, with frame addition, used for dwelling and jail; in good condition; warmed by furnace; six cells, five 8x9 feet and one 9x12 feet. Also, one cell in basement for drunkards; sexes separated by cells only; no instruction; papers and periodicals furnished; no bathing facilities; no employment; communication free; highest number of inmates, 5; estimated value, \$5,000.

*Bay*—Frame building, one story, with dwelling-house attached; eleven cells; ten 5x7 feet and one 8x12 feet; sexes kept separate; free communication in the daytime; religious instruction is given by city missionary, and reading matter furnished; no employment; no bathing facilities; highest number of inmates, 21; estimated value, \$4,000.

*Berrien*—New brick jail and residence; 2 tier of cells; 15 of iron and stone below, and 8 of iron and wood above; sexes separated; good bathing facilities; reading matter furnished, but no instruction given; free communication in day time, except in special cases; no employment; highest number of inmates, 13; estimated value, \$30,000.

*Benzie*—No statement.

*Branch*—No jail except a temporary "lock-up;" prisoners confined in St. Joseph county jail; the temporary building is not fit for the purpose of a jail, and has been condemned by the Circuit Court.

*Calhoun*—Brick building, 2 stories; second story used for jail; 6 cells 8x10 feet; separate room for women, but the sexes can converse with each other; no bathing arrangements; no instruction; newspapers furnished; no employment; free communication allowed; highest number of inmates, 17; estimated value, \$8,000.

*Cass*—Brick building, 30x40 feet, two stories; six cells—four for men and two for women, each 9 feet square; no bathing facilities; no instruction; reading matter furnished by

sheriff; no employment; free communication allowed; cells are lined with plank, and are badly infested with bed-bugs; highest number of inmates, 7; estimated value, \$2,500.

*Charlevoix*—Has no jail; prisoners are kept in the jail of Antrim county.

*Cheboygan*—Frame building; two cells, 10 feet square; sexes not separated; no facilities for bathing; no instruction; no employment; free communication allowed; highest number of inmates, 2; estimated value, \$1,000.

*Chippewa*—No statement.

*Clinton*—New building, 20x25 feet, built for a jail by private party, and leased to the county; five cells, 5x7 feet; good ventilation; sexes not separated; no bathing facilities; no instruction; no employment; free communication allowed; highest number of inmates, 7; value or amount of rent not stated.

*Delta*—No statement.

*Eaton*—Has no jail; prisoners are kept in the jail of Jackson county.

*Emmet*—No statement.

*Genesee*—Building two stories; exterior walls of brick; the entire interior of iron, new and in good condition, strong and secure; sixteen cells, 5x8 feet; sexes separated; no bathing arrangements; no instruction; books and papers furnished; no employment; free communication allowed; highest number of inmates, 20; estimated value, \$30,000.

*Grand Traverse*—Wood building, one story, with two cells, 10x16 feet; no bathing facilities; no instruction; no employment; highest number of inmates, 1; estimated value, \$1,200.

*Gratiot*—Has no jail; prisoners are kept in the jail of Clinton county.

*Hillsdale*—Stone building, 35x55 feet; two stories; six cells, 4x8 feet, and only 6½ feet high in lower story; separate room for females in second story, 16 feet square; no bathing facilities, no instruction, and no employment; reading matter fur-

nished by the sheriff; free communication allowed; the cells in this jail are damp and unhealthy; privy in bad condition; building is old and unsuitable for the purpose used; highest number of inmates, 12; estimated value not stated.

*Houghton*—No statement.

*Huron*—Frame building, two stories, about 30 feet square, with wing; used for dwelling and jail; three cells, 8 feet square; sexes not separated only by cells; no bathing facilities; no instruction; no employment; free communication in general; highest number of inmates, 2; estimated value, \$1,000.

*Ingham*—No statement.

*Ionia*—Wood building 18x24 feet, two stories; attached to sheriff's residence; in poor condition; four cells, 9x12 feet; sexes separated only by cells; no bathing facilities; no instruction; no employment; free communication; value not stated; highest number of inmates, 11.

*Iosco*—Stone basement of the court-house is used for jail; one room for men, 14x20 feet; one for women 14 feet square; three cells, 7x11 feet; no facilities for bathing; no instruction; no employment; and generally free communication is allowed; highest number of inmates, 4; estimated value, \$2,000.

*Isabella*—Has no jail; prisoners are confined in the jail of Midland county.

*Jackson*—Brick building; fourteen cells for men and three for women, 5x7½ feet; sexes kept separate; no instruction given; no bathing arrangements; no stated employment; men work some in the garden and barn, and special leave is given to work out with ball and chain; women sew some; free communication allowed; water-closets very offensive; sick persons are cared for in cells, which have no light or ventilation except through grated doors from illy lighted and illy ventilated corridors; highest number of inmates, 64; value not stated.

*Kalamazoo*—Brick building 40x100 feet; used for dwelling and jail; kept neat and tidy; twenty-eight cells, 5x7 feet, 8 feet high; three large cells; sexes kept separate; no bathing



facilities; no instruction given; no employment; a Bible is furnished each prisoner, and papers sent in by benevolent persons; free communication *not* allowed; highest number of inmates, 28; estimated value of building, \$40,275.

*Kent*—Wood building, 2 stories; used for dwelling and jail; dwelling comfortable; jail old and in bad condition; 9 cells in lower story, 5x6 feet, 9 feet high; 6 cells in upper story, 6x8 feet, 7 feet high; sexes separated; no bathing arrangements; no instruction; no employment; prisoners allowed free communication, two of whom are boys; highest number of inmates, 22; estimated value, \$1,500.

*Keweenaw*—No statement.

*Lapeer*—No statement.

*Leelanaw*—Wood building, 16x22 feet; 1 large common room; 2 cells, 7½x6 feet; no bathing facilities; no instruction given; no employment; highest number of inmates, 2; estimated value, \$500.

*Lenawee*—Old brick building in bad condition; fourteen cells, 8 feet square, with four berths in each cell; sexes separated; no bathing facilities; no instruction; no employment; no reading matter furnished; free communication allowed in the daytime; highest number of inmates, 18; estimated value, \$5,000.

*Livingston*—Jail and residence of the sheriff on the lower floor of the court-house; eight cells; two of them 14 feet square; five of them 5x10 feet, and one is 8x30 feet; only common facilities for bathing; Bibles furnished, but no instruction given; prisoners *not* allowed free communication with each other; highest number of inmates, 5; estimated value, \$10,000.

*Mackinac*—No statement.

*Macomb*—Stone building for jail, one story, attached to a two-story brick building, used as a dwelling by sheriff; six cells, four of them 8x12 feet; two 12 feet square; women kept in a large cell; jail very much out of repair; walls damp;

no bathing facilities; no instruction; newspapers furnished for reading; no employment; free communication allowed in the daytime; highest number of inmates, 8; estimated value, \$6,000.

*Manistee*—No statement.

*Manitou*—No statement.

*Marquette*—No statement.

*Mason*—No statement.

*Mecosta*—Frame building, two stories, with four cells, 6x8 feet; sexes separated; no bathing facilities; Bibles furnished, and Ministers of the Gospel call frequently; no employment; free communication allowed; highest number of inmates, 7; estimated value, \$3,500.

*Menominee*—No statement.

*Midland*—No statement.

*Monroe*—No statement.

*Montcalm*—Has no jail.

*Muskegon*—Wood building, two stories with wing; 3 cells in lower story for men, 4x7 feet, and one above for women, 12x16 feet; sexes separated; no facilities for bathing; no reading furnished; no instruction given; no employment; free communication; building is rented by the county, belongs to village of Muskegon; highest number of inmates, 16.

*Newaygo*—Building of timber, covered with plank; size, 20x24 feet; 14 years old, damp and rotten, and in a bad condition; two cells, 12 feet square; sexes separated only by cells; no bathing facilities; no instruction given; no reading matter; and no employment; free communication allowed; highest number of inmates, 3; estimated value, \$500.

*Oakland*—Small brick building, two stories; old, inconvenient, and unfit for a jail; 8 cells, only 1 of them for women; no separation of sexes, if more than one female is in jail at the same time; no facilities for bathing; no instruction given; books and papers are furnished by sheriff; free communication allowed; two, and sometimes three prisoners, confined in the

same cell ; arrangements in regard to water-closets bad ; highest number of inmates, 15 ; value not stated.

*Oceana*—Building two stories ; lower one used for jail ; upper one for court-room ; five cells about 8x12 feet ; sexes not separated, only by being confined in different cells, or by the hall between them ; no bathing arrangements ; no instruction given ; some books furnished by individuals ; no employment ; free communication generally allowed ; highest number of inmates, 3 ; estimated value, \$3,500.

*Ontonagon*—Good log building, 30x40 feet ; *well ventilated* ; four cells, 8 feet square ; sexes separated by being kept in different cells, but prisoners can communicate freely with each other ; no bathing facilities ; no instruction ; no reading matter ; no employment ; number inmates during the year, none ; estimated value, \$500.

*Osceola*—No statement.

*Ottawa*—Small wood building, 1½ stories ; upper part residence of sheriff ; lower part used for jail ; 2 cells, 7x9 feet ; sexes kept separate ; women kept in a room in the upper story ; no bathing facilities ; no instruction given ; no reading matter, and no employment ; free communication allowed. This jail is in a filthy condition, and is totally unfit for the purposes of a jail, and is of no value ; highest number of inmates, 6.

*Saginaw*—New brick building, two stories ; twenty-five cells ; two of them 7x8 feet, and the others 6x7 feet, constructed of iron ; heated by furnace ; good ventilation in the passages, but none in the cells ; one cell for females ; when fully completed there will be good facilities for washing and bathing ; religious instruction is given by members of Young Men's Christian Association once or twice a week ; books and papers are furnished by them or by the sheriff ; no employment ; prisoners generally allowed free communication with each other ; provision for separation of sexes not very good ; highest number of inmates, 23 ; estimated value, \$32,000.

*Sanilac*—Lower part of court-house used for jail ; wood

